

19980713.qrp v01_n151.qrs.980713

Date: Mon, 13 Jul 1998 19:03:09 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1151

QRP-L Digest 1151

Topics covered in this issue include:

- 1) [14944] AL7FS 2300Z back to try again
by "Jim Larsen (AL7FS)" <larsennc@alaska.net>
- 2) [14945] Re: Elmer 300 Announcement
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 3) [14946] Back & forth &c
by nilsbull@juno.com (Nils R Young)
- 4) [14947] NY/LI apology
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 5) [14948] Texas Heat
by ac5ez@webtv.net (Larry B)
- 6) [14949] QRP Open House, Wed, July 15, 6:00 p.m. until..
by David Gauding <david.gauding@bbs.galilei.com>
- 7) [14950] RE: Maritime Morse is Tapped Out
by cy r currier <crc3@telplus.net>
- 8) [14951] Norcal Zombies, NEVER MIND
by RangerSF5@aol.com
- 9) [14952] W6TI DX Bulletin
by n4so@juno.com (charles k brown)
- 10) [14953] Elmer300: Pictures are ready
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 11) [14954] Elmer300: Secretary found
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 12) [14955] RE KC-1 KEYS COUNTER
by RangerSF5@aol.com
- 13) [14956] spelling
by "Jerry W. O'Dell" <jwodel@ameritech.net>
- 14) [14957] AL7FS 14.066
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 15) [14958] Lost URL
by KF4EIB@aol.com
- 16) [14959] Re: Packing material
by "George T. Baker" <w5yr@swbell.net>
- 17) [14960] HW-7 HW-8 Power Supply
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 18) [14961] power supply ideas
by "Michael S. Williamson" <ag97@sendero.net>
- 19) [14962] Re: spelling

- by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 20) [14963] Re: power supply ideas
by "George T. Baker" <w5yr@swbell.net>
- 21) [14964] re: Maritime CW is tapped out
by "Laurent C. Lafond" <aa1qj@ids.net>
- 22) [14965] Re: spelling
by "Terry Bassett" <mutabut@net66.com>
- 23) [14966] anyone on the glowbugs list?
by "Michael S. Williamson" <ag97@sendero.net>
- 24) [14967] Re: spelling
by "Vincent Ferme" <vferme@sprint.ca>
- 25) [14968] Solar 7-12: Very soft!
by Paul Harden <pharden@aoc.nrao.edu>
- 26) [14969] Re: Digital images
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 27) [14970] Re: Elmer 101: T1 not peaking
by "Jim Kortge, K8IQY" <jokortge@mci2000.com>
- 28) [14971] INRAD filters for Ten Tec rigs
by Clark Savage Turner WA3JPG <turner@safety.ics.uci.edu>
- 29) [14972] Elmer300: First Experiment
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 30) [14973] Re: MA QRP at PHD 'fest (Long)
by John Sullllivan <kg0mz@southwind.net>
- 31) [14974] Re: Elmer300
by Paul Harden <pharden@aoc.nrao.edu>
- 32) [14975] ARCI HB Slow Sprint
by flydnq7x@primenet.com (Floyd Smithberg)
- 33) [14976] Antenna Tuner
by herr@ridgecrest.ca.us (Michael Herr)
- 34) [14977] Re: spelling
by Monte Stark <ku7y@dri.edu>
- 35) [14978] AL7FS in Denver
by "Jim Larsen (AL7FS)" <larsennc@alaska.net>
- 36) [14979] Charging Lithium-ion batteries??
by W7LS <w7ls@blarg.net>
- 37) [14980] Various Glens
by "Glen Torr" <glentorr@ozemail.com.au>
- 38) [14981] Herring Aid 5 L1 / L2.
by "Glen Torr" <glentorr@ozemail.com.au>
- 39) [14982] unsubscribe
by "LARRY A SPINNER" <LSPIN23@prodigy.net>
- 40) [14983] Re: Solar 7-12: Very soft!
by David Fouchey <dafouche@jax-inter.net>
- 41) [14984] Re: Back & forth &c
by Paul Helbert <phelbert@rica.net>
- 42) [14985] Re: Elmer 101: T1 not peaking
by mikemo@ibm.net
- 43) [14986] Re: Maritime Morse is Tapped Out

by Michael Neverdosky <MichaelN@cycat.com>
44) [14987] Call sign database
by "rrrhensel" <rrrhensel@sprintmail.com>
45) [14988] Re: Call sign database
by Joe Smith <joe@cooldude.com>
46) [14989] Re: Elmer 101: Remaining students
by applitech@mcg.net (Claton Cadmus)
47) [14990] Cool new QRP power source!
by Greg Weinfurtner <gweinfurt1@ohiou.edu>
48) [14991] Re: Back & forth &c
by nilsbull@juno.com (Nils R Young)
49) [14992] Re: Maritime CW is tapped out
by nilsbull@juno.com (Nils R Young)
50) [14993] Shack cleaning
by agulseth@juno.com (Al Gulseth)
51) [14994] Re: Back & forth &c
by applitech@mcg.net (Claton Cadmus)
52) [14995] INQRP Indiana QRP at Indy
by Jim Osburn <wd9eyb@butler.indiana.net>
53) [14996] Re: Elmer 101: Remaining students
by nilsbull@juno.com (Nils R Young)
54) [14997] De-Fin-A-Tive words on the spalling thread & QRP OPEROTATION
by jdenison@morelr.com (JOEL DENISON)
55) [14998] EMERGENCY COAX CONNECTORS
by ARDUJENSKI@aol.com
56) [14999] Re: De-Fin-A-Tive words on the spalling thread & QRP OPEROTATION
by Peter Larsen <larsenp@cadvision.com>
57) [15000] Re: EMERGENCY COAX CONNECTORS
by Monte Stark <ku7y@dri.edu>
58) [15001] Re: De-Fin-A-Tive words on the spalling thread & QRP OPEROTATION
by "George T. Baker" <w5yr@swbell.net>
59) [15002] Too many messages?
by "Mike Czuhajewski" <mczuhajewski@evi-inc.com>
60) [15003] De-Fin-A-Tive
by w4pj@w4bkx.ampr.org
61) [15004] Antenna Options
by Andy Fox <foxes@theriver.com>
62) [15005] Homebrew Sprint
by ab5uacw@juno.com (Clifton W Sikes)
63) [15006] VXO design information
by Don Bowen <don.bowen@chrysalis.org>
64) [15007] 11-2-10: Mfg.'s name/logo
by sigcom@juno.com (Stephen M Smith)
65) [15008] Re: Elmer 101: Part 10, first audio amp
by Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>
66) [15009] Re: Homebrew Sprint
by Ed Loranger <we6w@qsl.net>
67) [15010] Glacier - Waterton International Hamfest QRP Seminar {Montana-USA}

by jaywa5whn@juno.com (Jay D Miller)

68) [15011] Short Wave Rcvr Kit???

by "Evert R. Halbach" <cs-erh@nich-nsunet.nich.edu>

69) [15012] Re: 11-2-10: Mfg.'s name/logo

by "Harry WA3PTG" <hhurst@delaware.infi.net>

70) [15013] Re: Fish Story or Know

by "Duane" <duane@flinet.com>

71) [15014] Re: Antenna Options

by MSU1972@aol.com

72) [15015] Re: EMERGENCY COAX CONNECTORS

by DENNISMO@aol.com

73) [15016] Re: Cool new QRP power source!

by W7LS <w7ls@blarg.net>

74) [15017] AC6UV at home.../Code speed/Task lighting.

by Ed Loranger <we6w@qsl.net>

75) [15018] Returned ! y mensaje para NILS

by Mel Evans <MelEvansGM6JAG@compuserve.com>

76) [15019] NPC: "Never mind" (Doh!)

by sigcom@juno.com (Stephen M Smith)

77) [15020] Re: Maritime Morse is Tapped Out

by Mike - W0TMW <crucis@sky.net>

78) [15021] Re:Re:Maritime CW is tapped out

by "Laurent C. Lafond" <aalqj@ids.net>

79) [15022] 2N2222 Receiver Working

by "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>

80) [15023] Re: Fish Story or Know

by Mike - W0TMW <crucis@sky.net>

81) [15024] Visit to Dallas/E300

by PDouglas12@aol.com

82) [15025] AC6V Noiseless Feedback Amplifier

by Tellefsen Bob-CNSE97 <cse97@lmpsil02.comm.mot.com>

83) [15026] Re:Elmer300: First Experiment

by Jerry Haigwood <w5jh@swlink.net>

84) [15027] Re: Elmer300: First Experiment

by Ed Loranger <we6w@qsl.net>

85) [15028] Re: Short Wave Rcvr Kit???

by "Alyn Backe" <ve6bpr@cnnnet.com>

86) [15029] Elmer 300: Dead bugs and other critters

by n5inz@juno.com (John M Andrews)

87) [15030] Re: AC6V Noiseless Feedback Amplifier

by Zack Lau <zlau@arrl.org>

88) [15031] Re: AC6V Noiseless Feedback Amplifier

by Chris Trask <ctrask@primenet.com>

89) [15032] RS CB close-outs: \$3.97 and up...

by Conrad <radman@best.com>

90) [15033] Re: Texas Heat

by Joe Smith <joe@cooldude.com>

91) [15034] PC Board

by "Dasher, Mark" <DasherM@IRWIN.ARMY.MIL>
92) [15035] RS Disclaimer....
by Conrad <radman@best.com>
93) [15036] 11 TO 10 question
by w0yse@juno.com (Neil Klagge)
94) [15037] Epiphyte Convention
by K2UD@aol.com
95) [15038] CQ W4Q0
by k7sz@juno.com (Rick Arland)
96) [15039] THE ANSWER to the "half square QUESTION"
by jdenison@morelr.com (JOEL DENISON)
97) [15040] Elmer 101: Remaining students & question
by Paul Helbert <phelbert@rica.net>

Date: Sun, 12 Jul 1998 14:59:31 -0800
From: "Jim Larsen (AL7FS)" <larsennc@alaska.net>
To: qrp-l@Lehigh.EDU
Subject: [14944] AL7FS 2300Z back to try again
Message-ID: <35A93FD3.608C3771@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ok, I am going to give it another try. 14.057 to 14.062

73, AL7FS

Date: Mon, 13 Jul 1998 00:03:32 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: Paul Harden <pharden@aoc.nrao.edu>
Cc: qrp-l@Lehigh.EDU
Subject: [14945] Re: Elmer 300 Announcement
Message-ID: <199807122303.AAA01312@chuck.dallas.sgi.com>

Paul,

Thanks for the heads up on my posting. I'll copy to the group.

Gang, I was in error. There is not an article in the next QRPP.
So, as soon as I get the schematics ready they will go to the
home page.

Again, project will not officially begin until September thus giving everyone time to look at the difficulty level and scrounging for parts.

It's too hot anyway.

I lost my antenna due to a limb dropping from a thermally stressed pecan tree, thus the delay in getting the Manhattan rig on the air.

Hopefully later tonight. 105 degrees is too warm to be outside working.

FYI

Chuck Adams K5FO Dallas, TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Sun, 12 Jul 1998 18:24:07 -0500
From: nilsbull@juno.com (Nils R Young)
To: QRP-L@Lehigh.EDU
Subject: [14946] Back & forth &c
Message-ID: <19980712.182413.6742.0.nilsbull@juno.com>

Gang,

Well, you already know about camp. Great time until I got that killer headache, which Cindy cured by making me into a big cup of coffee at about 9 p.m., so that I slept real good (as if!) &c.

Now for the vacation ramble/rant:

We got the car loaded with damn near everything we needed, including the laptop, which I didn't use all that much, and the Sony ICF7600D or whatever, which I did use a lot. I had the Traveling Radio Box of Whatever all set, but at the last minute decided that I didn't need another 27 lbs or stuff that I'd have to cram into the last space left, right where Andy was sitting. So it stayed behind, sittin' on the floor next to the sofa.

It was a good decision. First off, I sat on the beach a lot, watching young women in minimalist clothing and a lot of guys who, in previous times, would have been "two drinkin' buddies on vacation near some bars" or "a couple guys going fishin' together" or some other dissembling or equally unprovocative explanation. As I sat there getting toasted & roasted, I reconsidered the traveling box of whatever. (More about that later).

So "we checked into our hotel just after two and met a family from Bradford that we knew" (from a Bonzo Dog Band album, the tune "My pink half of the drain pipe," circa 1969).

Andy & I went surfing a lot and we talked to a bunch of real surfers and played around in the ocean and heard dolphins & watched sand fleas and little fishes in the surf. And we discovered interesting properties of various tidal currents & how fast one's head can suddenly be heading toward a pier pylon. Python. Whatever. I went aboard the USS Yorktown at Patriots Point & showed Andy how I almost might have lived. It was a very educational experience. We spent most of the time in the ocean, except for when Cindy found the "All X-Files, All-Night" channel on the tv. Barbecued everything. Cindy's brother, Don, should be runnin' a restaurant, 'cept he already has a real job.

Did some dialect studies. Very interesting phenomena.

Everywhere I go there seems to be a phenomenally high noise level between 5 and 14 MHz. I was glad that I didn't take the Traveling Radio Box &c, 'cause (a) it would have been useless, (b) it would have gotten wet or had rum poured in it or something, (c) it would have disturbed the neighbors, and (d) it would have cut into my roasting and toasting time. However, I did think about it a lot . . . like how to make a single box, all-in-one, tunes easy, all band, everything nicely stupid for a guy like me. And you see where this rant is headed, right . . . there's a couple home pages for it . . .

And on the ICF7600D or whatever, I sat in the evening moonlight watching the tides roll in and out & the dolphins dance &c, listening to a variety of latino stations, all I think from Cuba, at 890, 1120, 1180 & 1700 kHz with strong signals most of the time. Good music, most of it Puerto Rican & Yankee-based salsa artists like Marc Anthony, Olga Ta on, Luis Enrique, folks like that. And toll-free numbers in Miami Beach so you can call in your requests. I heard listeners callin' in from Virginia, NC & SC, Georgia & all over Florida (at least them parts what weren't goin' up in flames).

So no one talked to me on a radio 'cept for the music &c guys on CMQ, and I got a lot of surf time in. And I didn't shave & I liked it.

Maybe next year.

73

Nils

P.S.: And how about them X-ist aliens? Did you ever see 'em? I didn't. I was sittin' on the beach with my lap top and my bottle of whiskey & my "Dobbs Approved" t-shirt & all that. Even some cheap 30-weight sun block, and I didn't see nothin'. I did notice that the bottle suddenly leaped to

my lips and my t-shirt got changed to a real nasty-lookin'
red-and-yellow-and-purple luau shirt. But other than that, nothin.

Could "Bob" have been wrong? Could the real date be July 5, 8661? And
why doesn't anyone in charge have any charge on 'em any more? What about
them badgers? The rabbit venom? I drank lots of that and nothin'
happened. Blitherin' minds wanna know!

Nils R. Bull Young
La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch
WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com
<http://www.geocities.com/Athens/Olympus/9172>

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Date: Mon, 13 Jul 1998 00:27:23 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [14947] NY/LI apology
Message-ID: <199807122327.AAA01906@chuck.dallas.sgi.com>

My apology to the residents of Manhattan. I'll learn to spell
one of these days. :-)

dit dit
Chuck Adams K5FO Dallas,TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Sun, 12 Jul 1998 18:29:06 -0500 (CDT)
From: ac5ez@webtv.net (Larry B)
To: qrp-1@Lehigh.EDU
Subject: [14948] Texas Heat
Message-ID: <17230-35A946C2-59@mailtod-121.bryant.webtv.net>
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

Its too hot here in Texas to do any hamming. The ham shack is out in the garage and it aint air conditioned. Today it was 111 degrees F. in the shade. My hamming is temperture related. When it gets over 102 F, its time to do something else.

111 degress today, wonder what it will be tomorrow ?

Larry Ac5ez

Date: Sun, 12 Jul 1998 18:22:24 -0500
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@Lehigh.EDU
Cc: keith@usroute66.net, ljohnson@mo.net, jeff.logullo@sun.com, jimn0oct@aol.com, mk2331@momail.sbc.com, tsar72@hotmail.com, n9whh@ezl.com, fbonavita@express-news.net, wa9flx@primary.net
Subject: [14949] QRP Open House, Wed, July 15, 6:00 p.m. until..
Message-ID: <1.5.4.32.19980712232224.00d075a8@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Howdy All,

If business travel or pleasure finds you in the St. Louis, Missouri area this coming Wednesday evening (July 15th), please stop by the St. Louis QRP Society's 5th Annual Tailgate Sale & Open House, 6:00 p.m until dark and/or mosquitos!

Our site is the far southwest corner of the parking area at St. Louis Community College at Florissant Valley.
Open your trunk or drop that tailgate and start wheeling & dealing. Demos of homebrew gear that really works and portable antennas that really work. Take the key if you wish!

Not a buyer or seller? We spend most of our monthly meeting nights talkin' radio and this month is no exception. If you in town please drop by. We can probably find a way to get you out to Flo Valley if need be.

Hope you can join us OM/YL! More info with an e-mail to <nf0r@slacc.com>

de Dave, NF0R

Date: Mon, 13 Jul 1998 06:54:49 -0400
From: cy r currier <crc3@telplus.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>,
"henryf@quartz.gly.fsu.edu" <henryf@quartz.gly.fsu.edu>
Subject: [14950] RE: Maritime Morse is Tapped Out
Message-ID: <01BDAE32.5BF7B480@bgr150.lobster.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

try a cell phone in an auto accident. someone already has the line =
calling the news while u try to get fire and rescue. u saw how a =
satellite 30 degree shift
paralyzed innumerable pagers. time has and will show again and again =
that
amateur radio saves the day. if we keep it lo tech, qrp, and cw we will =
be on long after the big guns go silent. the problem was in the ice =
storm last winter, no ant would stay up. repeaters were gone. as soon as =
the ice let up those w wire and batts were on the air. keep up the good =
work. cy - k1tes

From: Henry Freedenberg
Sent: Sunday, July 12, 1998 12:47 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Maritime Morse is Tapped Out

Vic Rosenthal wrote:

> Hmm. Consider the relative redundance of four satelllites compared to =
countless ships
> and coastal stations. Does anyone know how these satelllites are =
likely to fare in
> the event of a major solar disturbance?
>

My own personal opinion is that reports about the death of CW are =
premature.

For a long time I believed that Ham radio, as a medium for emergency =
communications,
would be superceded by cellular telephone service. Hurricane Opal blew =
through here a
few years back and knocked down most of the cellular towers. 2M saved =
the day.

Henry

Date: Sun, 12 Jul 1998 19:46:26 EDT
From: RangerSF5@aol.com
To: qrp-l@Lehigh.EDU
Subject: [14951] Norcal Zombies, NEVER MIND
Message-ID: <479c4a02.35a94ad3@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang
Forget the last post.
I found the problem.
It was the BFO adjustment.
I gave that a half turn counter clockwise, and the rig burst into life.
I now have a 4" speaker hooked up to it.
Any special problems I should look for when installing the KC-1 keyer/counter?
Bob
WA2HOQ

Date: Sun, 12 Jul 1998 19:53:45 EDT
From: n4so@juno.com (charles k brown)
To: QRP-L@Lehigh.EDU
Subject: [14952] W6TI DX Bulletin
Message-ID: <19980712.235120.7871.4.n4so@juno.com>

Northern Calif DX Club Bulletin\
W6TI 0200z 7/13
14.002

Sent weekly on Sunday night.

KEN BROWN N4SO
QRP-L #622
Location nr Mobile, AL EM50tk
n4so@juno.com

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 13 Jul 1998 01:17:34 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-l@Lehigh.EDU
Subject: [14953] Elmer300: Pictures are ready
Message-ID: <199807130017.BAA02380@chuck.dallas.sgi.com>

Gang,

First set of pictures of the Jim Kortge, K8IQY, Manhattan Project rig are now available. I have not written up a description of each photo yet. That I will do ASAP within the week. Working on work and gotta get back to the home QTH and try the rig out. I just hope that I haven't moved and packed all the cables I need for the keyer. :-) Antenna is back up. Look around 7.040MHz after 0200UTC this evening late USofA.

Thanks to Jim for the work and letting us in QRP-L and the rest of the world get a shot at building one.

There are some neat tricks that he uses and these will be posted as we go. The next issue of QRPp has in Paul Harden's Hints and Kinks some beautiful artwork showing the details, so current subscribers will get the first peek. Those at Tuthill the week after this coming week will get a chance to ask Paul and myself about the details in person. :-)

I was asked to comment also that I will be at the Huntsville AL meet also giving a talk. I won't be at home at all (it seems) during August do to a busy work load on the road. But then Sept and Oct are totally free to work on 80wpm record for Pacificon. Yessssss!!!!

Also while you are looking on the page, look at the three new pages

on the Brown Bros. Thanks to this group I learned how to polish plastic. Thanks. There is always something new to learn from the minds on this reflector.

More to follow as time permits.

dit dit

Chuck Adams K5FO Dallas,TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Mon, 13 Jul 1998 01:20:02 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [14954] Elmer300: Secretary found
Message-ID: <199807130020.BAA02398@chuck.dallas.sgi.com>

Thanks to Glen, VK1FB, who is now the official secretary and recorder for the Elmer300 series. He should have it all at anytime. He will post what he has as he has it and when he has it..... :-)

Thanks Glen for volunteering. The project has gone international.....

dit dit

Chuck Adams K5FO Dallas,TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Sun, 12 Jul 1998 20:24:07 EDT
From: RangerSF5@aol.com
To: qrp-1@Lehigh.EDU
Subject: [14955] RE KC-1 KEYER COUNTER
Message-ID: <d28306f0.35a953a8@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi gang,
I'm trying to install the KC-1 kryer/counter in my
Norcal 40-A
It puts the rig into a keydown mode and will not let up.
I really dont need the keyer as I use the small Whiterook MK-65.
Is there any way I can install the board and just have the counter work
without the keyer portion??
I guess the chip controls everything so I may as well write that off?
Can I get a new chip?
Thanks in advance
Bob
WA2HOQ

Date: Sun, 12 Jul 1998 20:24:59 -0400
From: "Jerry W. O'Dell" <jwodell@ameritech.net>
To: qrp-l@Lehigh.EDU
Subject: [14956] spelling
Message-ID: <19980713012438.FTFZ9983@[199.179.189.189]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well, since someone mentioned it, the spelling in this group
is humorous at times. I used to teach college, so I got used
to it.

However, this mail program has a spelling checker -- you
can make it automatic -- checks them as they go out,
and tells you about it!

No big deal; most people can't spell the glorious English
language.

73 jerry w8gnd

Date: Sun, 12 Jul 1998 20:25:26 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:larsennc@alaska.net" <larsennc@alaska.net>, "+Doc W.D. Lindsey/
K0EVZ" <70511.3041@compuserve.com>,
//QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [14957] AL7FS 14.066

Message-ID: <199807122028_MC2-52EA-428A@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Jim:

Well I heard you for at least 15 minutes right at the start. You were calling a hair above Bill K5ZTY (about 14.060.2 or so) and I copied you about 5/3-4/9. No joy in getting you for a QSO however. Too bad. Never heard you again. Rig here was OHR-100A to the GAP thru ZM-2 tuner. Oh well. Maybe next time.

72/73,
--Doc Lindsey/K0EVZ Rochester, MN--Home of the Mayo Clinic.
MWBC
519-16th Street SE
Rochester, MN 55904
507/289-5108 (eves)

Date: Sun, 12 Jul 1998 20:42:13 EDT
From: KF4EIB@aol.com
To: qrp-1@Lehigh.EDU
Subject: [14958] Lost URL
Message-ID: <61841e6a.35a957e6@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Gang,

I seem to have deleted (read misplaced from the hard drive) the URL for the Buckmaster Callsign Data Look Up Web site.
Please help if you can.
Thanks in advance.

73,
Gordon kf4eib
Fists # 4336

QRP.... 2 % Wattage
Love that low - fat radio !

Date: Sun, 12 Jul 1998 19:57:06 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: n4xy@att.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14959] Re: Packing material
Message-ID: <35A95B62.A6B490@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Off-topic, but you made me think of it!

I am recovering from spine surgery, and the physical therapy place I go to has a lady who does hand therapy. They have a machine containing heated, finely ground pecan hulls which is used to warm a hand prior to therapy. Seems to give a very uniform temperature around the hand, etc.

Versatile stuff, pecan hulls. Even work good at packaging pecan meats.

72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Ed Tanton wrote:

>
> Hi Larry... Tektronix (and others) used to use it, but they had a lot of
> trouble with people eating it when they shouldn't (there may have been some
> preservatives involved) and the practice was abandoned. They also used to
> deflux pc boards with ground up pecan shells... and that worked pretty well
> too.
> 73
>

Date: Sun, 12 Jul 1998 20:56:52 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>, fielden@utttkux.utcc.utk.edu
Subject: [14960] HW-7 HW-8 Power Supply
Message-ID: <35A95B54.1B88A751@home.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The HW-7 and HW-8 used the same power supply known as the HWA-7-1

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

QRP-L #1618 QRPARCI #8634 ARRL Life Member

Rigs: HW-7, HW-8, Yaesu FT-301S

Specialization is for insects! LAZARUS LONG

Date: Sun, 12 Jul 1998 20:15:14 -0600
From: "Michael S. Williamson" <ag97@sendero.net>
To: qrp-l@Lehigh.EDU
Subject: [14961] power supply ideas
Message-ID: <98071220185273700@mail>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I'm attempting to build a CW transmitter that uses a 6BM8. I need
325v supply and would like to run off of 12v for portable use
camping. Any ideas?

----- Michael Scott Williamson -----
WWW ** <http://members.xoom.com/Aggie97/>
E-Mail ** michael@aggies.org

Date: Sun, 12 Jul 1998 21:24:16 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: "Jerry W. O'Dell" <jwodell@ameritech.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14962] Re: spelling
Message-ID: <Pine.GS0.3.96.980712211822.20767E-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

>
> No big deal; most people can't spell the glorious English
> language.

Most people cannot spell the colourful English language or the equally
colorful American language.

-73-

LB

Date: Sun, 12 Jul 1998 20:27:25 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: ag97@sendero.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14963] Re: power supply ideas
Message-ID: <35A9627D.CCB105D@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Michael, in keeping with the technology of that era, you should be
looking for either a small vibrator power supply or a dynamotor. Most
such power supplies were designed back in the 6-volt car battery days or
the 28-volt aircraft battery days so they may be hard to find. A more
practical and modern design approach would be to build or buy a small
inverter (12 vdc to 120 ac) and use its output to power a conventional
transformer power supply. In any event, the final product may turn out
to be marginally heavy for camping if you plan to be backpacking.

It ain't easy turning back the clock! And where did you find that 6BM8?
Better lay in a spare or two.

Michael S. Williamson wrote:

>
> I'm attempting to build a CW transmitter that uses a 6BM8. I need
> 325v supply and would like to run off of 12v for portable use
> camping. Any ideas?
> ----- Michael Scott Williamson -----
> WWW ** <http://members.xoom.com/Aggie97/>
> E-Mail ** michael@aggies.org

Date: Sun, 12 Jul 1998 21:34:52 -0400
From: "Laurent C. Lafond" <aa1qj@ids.net>
To: qrp-1@Lehigh.EDU
Subject: [14964] re: Maritime CW is tapped out
Message-ID: <35A9643C.3325@ids.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi folks:

Sorry that I can't reproduce the original message, but here is something that I recently learned at a USN Destroyer reunion.

It seems that the U.S. Navy, in their infinite wisdom (never thought they were that intelligent) have some HF transmitters on board nowadays in case the satellites are knocked out by whatever.

CW in the Navy is just about gone, but as far as I could determine, RMs have to maintain a 5 WPM code proficiency. I was really glad to hear the above, being a retired RM (23 Years in the Navy). Thought that all of the computers, up and down links and etc., had taken over, like a bad dream.

Another interesting tidbit - just about every sailor on board ship(s) have their own e-mail address. Can't beat that...Not JUNO either. Your tax dollars at work.

A very happy camper, now.
72,
Laurent AA1QJ

Date: Sun, 12 Jul 1998 20:40:24 -0500
From: "Terry Bassett" <mutabut@net66.com>
To: <cebik@utkux.utcc.utk.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [14965] Re: spelling
Message-ID: <005101bdadff\$35c65ce0\$b4538bce@host.net66.com>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

L.B. Cebick wrote:

Most people cannot spell the colourful English language or the equally colorful American language."

Indeed, two nations separated by a common language!

73,

Terry KA9TXE

Date: Sun, 12 Jul 1998 20:43:42 -0600
From: "Michael S. Williamson" <ag97@sendero.net>
To: qrp-1@Lehigh.EDU
Subject: [14966] anyone on the glowbugs list?
Message-ID: <98071220472175400@mail>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I'd like to subscribe to the glowbugs mailing list too, but have not been able to find the correct address. (or the listserv is down)
Anyone know it?

--Michael

----- Michael Scott Williamson -----
WWW ** <http://members.xoom.com/Aggie97/>
E-Mail ** michael@aggies.org

Date: Sun, 12 Jul 1998 21:48:27 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [14967] Re: spelling
Message-ID: <008a01bdae00\$56fa01e0\$c51105d1@vince>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

English, who needs that?, I am not going to England.

Homer Simpson.

(The Simpsons TV show)
73 de Vince, VE3VFN.

-----Original Message-----

From: L. B. Cebik <cebik@utkux.utcc.utk.edu>

>> No big deal; most people can't spell the glorious English
>> language.

Date: Sun, 12 Jul 1998 20:37:48 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-1@Lehigh.EDU
Subject: [14968] Solar 7-12: Very soft!
Message-ID: <Pine.SOL.3.91.980712202722.3615B-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Solar activity (or lack thereof) probably explains why poor ol' Jim Larsen (AL7FS) is struggling for a QSO. The solar flux has dropped from about 130 to 99 (today) in a week's time. It will likely go lower over the next week, when the predicted 28-day solar flux cycle should start to increase again. For right now, the bands will be soft. A good time to explore 40 and 80M (which aren't effected much by the solar flux anyway). Good news ... the geomagnetic field is quiet, making 40M quiet except for occassional bursty periods.

Also note at the bottom of the NOAA solar report that the GEOS-9 satellite is experiencing problems and is to be replaced next week by taking GEOS-10 "out of storage." (Already in orbit). The SOHO solar satellite is still out of service. As this solar cycle moves along, I have a feeling we will be seeing many more "unexplained" satellite failures.

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

SDF NUMBER 193 ISSUED AT 2200Z ON 12 JUL 1998

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100Z TO 12/2100Z: SOLAR ACTIVITY BECAME VERY LOW. ONLY SMALL B-CLASS FLUCTUATIONS WERE OBSERVED. CURRENT DISK REGIONS WERE PREDOMINANTLY STABLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE VERY LOW TO LOW.

IV. PENTICTON 10.7 CM FLUX

OBSERVED 12 JUL 099

PREDICTED 13 JUL-15 JUL 097/096/095

90 DAY MEAN 12 JUL 109

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 JUL 011/011

ESTIMATED AFR/AP 12 JUL 008/012

PREDICTED AFR/AP 13 JUL-15 JUL 005/008-005/008-005/008

NOTICE: GOES-9 CONTINUES TO OPERATE AND THE X-RAY SENSOR REMAINS POINTED AT THE SUN. GOES-10 WILL BECOME OPERATIONAL THE WEEK OF 13 JUL AND WILL BEGIN ITS MOVEMENT TO 135W LONGITUDE SHORTLY THEREAFTER TO REPLACE GOES-9.

Date: Sun, 12 Jul 1998 22:46:20 -0400
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: beache@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14969] Re: Digital images
Message-ID: <35A974FA.7E6D760F@quartz.gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Edward B Beach wrote:

> I happen to have a camcorder and use it to input digital images. I can
> get great detail at a decent 640 X 480 resolution [good for vga display].
> You can use the camcorder alone, or record onto video tape as needed.
>

Actually, this is probably the solution of choice.

> The only equipment required is a video capture card such as AI-Gotcha 2!
> or Snappy. These go for around \$90 and do a great job for the most part.
> I'm sure the dedicated digital camera would produce better results,

Not so. The resolution on a camcorder is much higher than the resolution found in just about all of the digital cameras I have seen. things might change when you spend \$1000 but camcorder resolution beats any low end camera.

I am going to buy a Snappy (or equivalent) for my day job. The problem with the Snappy is that, in its' current iteration, you need a dedicated parallel port.....there is no provision for a printer pass through. I am not ambitious enough to swap printer cables whenever I want to do a Video capture. Arcsoft? (Zipshot) also makes a nice video capture box. It has a parallel port pass through but the signal processing algorithm is not as bullet proof as the Snappy algorithm. I anticipate that the next generation Snappy will have a pass through provision and will probably buy that. Meanwhile I have a 400 mhz machine w/USB port waiting to be configured at the ofc. Maybe a USB compatible Snappy is on the way?

> but
> this works for me!
>
> 72, 73
>
> Ted Beach - K4MKX
>
>
> -----
> You don't need to buy Internet access to use free Internet e-mail.
> Get completely free e-mail from Juno at <http://www.juno.com>
> Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 12 Jul 1998 23:02:55 -0400
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
To: penzo@juno.com
Cc: qrp-1@Lehigh.EDU
Subject: [14970] Re: Elmer 101: T1 not peaking
Message-ID: <3.0.1.16.19980712230255.2f67f2f2@mail49.mci2000.com>

MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

At 04:37 PM 7/12/98 -0400, Mike Penzo wrote:

>I just finished my sw40+ (sorry, I just couldn't wait) and found that the
>rig is most sensitive if T1 is "bottomed" out. It doesn't peak. I
>remembered this message that Stewart sent out a while back and I'm
>wondering if I should change C1 to 68pF on my rig as well so that T1 will
>peak.

>

>Also, my sidetone is very low. Has anyone else experienced low sidetone
>or is it just me?

Mike...I'd change the cap, or add another one in parallel to
arrive at about 68pF. That should let T1 peak correctly.

On my rig, the sidetone is not overly loud on the speaker, but
I tend to like it running low anyway. You could change R9
to a lower value and get more sidetone audio. Try paralleling
it with a 2.2Meg and see if the pushes it up to where you want it.
If not, try a 1Meg in parallel.

GL and 72.....Jim

Jim Kortge, K8IQY (ex NU8N)		NorCal, QRP-L
jokortge@mci2000.com		__o H.F. bicycle mobile
Fenton, MI		_`<, Mizuho 17/40 SSB
...	..	(*)/(*)
NorCal 38S/30 Log	-	34 States; 40 Countries - Running 3 watts
Most recent -	Iowa	Mauritius

NorCal 38S/17 Log	-	22 States; 51 Countries - Running 1.5 watts
Most recent -	Alaska	Ecuador

Date: Sun, 12 Jul 1998 19:59:55 -0700
From: Clark Savage Turner WA3JPG <turner@safety.ics.uci.edu>
To: qrp-l@Lehigh.EDU
Subject: [14971] INRAD filters for Ten Tec rigs
Message-ID: <9807121959.aa08184@paris.ics.uci.edu>

Hello All:

After some of my posts to the ten tec list, I got a lot of inquiries about the INRAD filters for Ten Tec rigs. I bought 2 CW filters, one 400 Hz filter and one 250 Hz filter for the 6.3 MHz IF of the Corsair I (in my OMNI VI now). They are superb. I cannot give you the specs as I have no instruments here, but they are sufficiently lower loss than the Ten Tec 282 and 285 that the S meter now goes higher when I kick in the filters (it used to go down with the filter loss). The shape factors reported by INRAD are better than the Network Sciences filters from Ten Tec. They are 8 pole designs while the Networks Sciences filters are 6 pole designs. The INRAD filters are sharp and do not ring.

I really am happy that George decided to support Ten Tec rigs with his filter offerings. I also want to thank Ten Tec, they helped George with the specs and testing of the first filters to make sure it all worked out right. This is another example of why I support Ten Tec all the way. They are a good bunch of guys as well as good engineers.

I really, really want George to build us a matching 400 Hz CW filter for the 9 MHz IF, allowing me to use one in my NAR position of the OMNI VI. If this filter gives similar lower loss to the 6.3 MHz filters I already have, it is going to help me a lot with weak signals.

If I can get 10 of us interested in buying the 9 MHz CW filters at 400 Hz bandwidth (shall we say a 600 Hz center frequency to accomodate the 500 to 700 Hz beat notes?), George says he will design it and offer it. Anyone interested, let me know, I will bug George about it.

If you own an early OMNI (A, B, C, D), an Argosy I or II, or if you want a good CW filter for the NAR position of the OMNI V or OMNI VI, you may be interested in George designing a CW filter for the 9 MHz IF of the Ten Tec rigs.

I include the text of George's message to the Ten Tec list below for anyone interested.

>From: George <w2vjn@rosenet.net>
>To: tentec@contesting.com
>Subject: [TenTec] New filters available.
>Date: Sat, 30 May 1998 08:04:51 -0700

>International Radio now has the first batch of filters ready for Ten Tec

>radios. These filters are all 8 pole crystal types. They are packaged in
>shielded cans and mounted on PC boards having gold plated pins which plug
>into the radio sockets. Three types are available and the price for any
>type is \$110. Specifications and typical performance are listed below.

>	Specified	Typical measured parameters		
>P/N	Center Freq	-6dB width	Loss	-60/-6 shape factor
>750	6299.25 kHz	400 Hz	4.7 dB	1.89
>751	6299.25	250	7.5	2.1
>752	9001.5	2100	1.8	1.75

>Purchasing information is available on our web site, www.qth.com/inrad or
>via email to inrad@rosenet.net.

>George
>w2vjn@rosenet.net

Date: Mon, 13 Jul 1998 04:19:30 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-l@Lehigh.EDU
Subject: [14972] Elmer300: First Experiment
Message-ID: <199807130319.EAA02833@chuck.dallas.sgi.com>

I just couldn't wait and with almost all the stuff is in boxes
I'm limited, but the old AADE L/C IIB meter was out.

Jim, K8IQY, used the following trick as tie points between
components and I give him full credit unless he says
otherwise.

He built his rig on a single sided PC board 4.25"x 5.00"
(11x12cm approx.) and a small piece of double sided board
for the PA section.

Using a nibbler tool (available at Radio Shack and other
fine stores) he makes small pads from scrap board or

good board(s) that becomes scrap. :-) Then using super glue or whatever he glues pad to board. This becomes a "island" insulated from ground plane for soldering parts to. Neato.

My curiosity got the better of me as I was wondering just how much capacitance you might have with this little critter. So I built an "island" and measured it. I get 0.74pF for a pad, give or take a little due to leads about 1cm long to the meter. Mileage may vary, but it is low and will vary due to board quality, glue used, etc.

I used "Instant Jet" cyanoacrylate glue available from hobby shop and probably from arts and crafts stores also. Now this stuff is possibly dangerous if not used carefully. There are a number of war stories, accident reports, and urban legends about this stuff so be careful and follow the instructions to the letter. Young 'uns have to be kept away from this stuff. So a thread doesn't need to be started on this. It was done some time last year, and the year before, and the year before that. :-) Heat from 25W iron didn't seem to phase the glue. I'll do some destructive testing.

Jim in his upcoming article in QRPP can give us hints on how to make neat pads and use just the right amount of glue. Tweezers or other fine tools and how to use them to get the right layout. But in the meantime I'll continue to experiment until the real building starts..... Others may want to "play" with this idea a little while killing time during QRN on 40M.

FYI

The receiver works great. I don't know about the transmitter. The 5A fuse was blown when I got the rig (wonder who did that?) and all I could find was a 0.317A fast fuse of the right physical dimensions for the fuse holder. QSOs will have to wait for Jim to do them..... Sorry gang.

Chuck Adams K5FO Dallas, TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Sun, 12 Jul 1998 22:19:52 -0500
From: John Sullllivan <kg0mz@southwind.net>
To: maqrp@nic.kanren.net
Cc: MA QRP Mail List <maqrp@kanren.net>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, Adrian Weiss - W0RSP <aweiss@usd.edu>
Subject: [14973] Re: MA QRP at PHD 'fest (Long)
Message-ID: <35A97CD8.4254320@southwind.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> I haven't met everyone in MAQRP. Below is a partial list of the
> attendees:
> Jack Generaux, W0FNQ
> Joe Eder, KU5M
> Roy Parker, AA0B
> Doug Heacock, AA0MS
> Jerry Gorrell, W0CLR
> Dale Lam, WA0NKE
> George Franklin, W0AV
> Gary Harrison, K0BC
> Dan Copeland, KF00V
> Ade Weiss, W0RSP (Honorary member)
>
> I know there were more, but my memory isn't the best. Please speak up
> if I've missed anyone.

Yeah. I was (a zombie) there.

72 de kg0mz

Date: Sun, 12 Jul 1998 21:30:21 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: Chuck Adams <adams@chuck.dallas.sgi.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14974] Re: Elmer300
Message-ID: <Pine.SOL.3.91.980712204645.3615D-1000000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 13 Jul 1998, Chuck Adams wrote:

> Thanks to Glen, VK1FB, who is now the official secretary
> and recorder for the Elmer300 series.
>
> Thanks Glen for volunteering. The project has gone
> international.....

I knew SOMETHING good was bound to finally come out of that NAFTA thing!

Seriously, thanks Glen for your help. Glen's contributions to the Elmer 100 project have been excellent.

Jim Kortge (K8IQY) 2N2/40 rig is one of the best examples of homebrew build-it-from-scratch rigs I have ever seen. Very nice circuit (nothing exotic), beautiful layout, and it sounds great on the air (had two QSO's with it while I had it). His technique and layout is so nice, it's just a natural to illustrate up for a step-by-step totally homebrew rig. If you ever wanted to build a rig "from scratch," this is the one. There will be a complete step-by-step illustrated article in a future QRPP (probably the Winter 1998). Doug Hendricks said to use as many pages as we needed to avoid making it a 2-parter. The construction article will also be available on the web, and reprinted as a separate booklet. Just give us some time :-)

I'll be completing the lab tests on it when I get it back and will post to the group. I do remember that the MDS was -114dBm and the variable crystal filter went down to 250Hz for nice selectivity. And 3W output with the metal can 2N2222A's. Chuck has the rig now. I don't think Jim has seen his rig himself since Dayton -hi.

There are actually two quasi-articles about it in the next QRPP, the first, an article on the Dayton building contest, which features photos of Jim rig, along with photos of the winning entry by Jim Roberts, NC9H ... and the photos/illustrations in Hints and Kinks. This led to the confusion about the article in the next QRPP ... it's just not the construction article at this time. But there are 2N2222 construction articles by Roger Traylor, WB4TPW, by Robert Freiss, N6CM and a 2N2222 5W amplifier also by N6CM (and some other neat non-2N2222 construction articles as well).

All of us out here in the Southwest ... from Texas to Arizona, are moving pretty slow lately. These 100+ temps really wear you down after awhile. When is BUBBA, by the way?

CU at the Ft. Tuthill hamfest in Flagstaff, July 24-26.

72, Paul NA5N

Date: Sun, 12 Jul 1998 21:44:48 -0700 (MST)
From: flydnq7x@primenet.com (Floyd Smithberg)
To: qrp-l@Lehigh.EDU
Subject: [14975] ARCI HB Slow Sprint
Message-ID: <199807130444.VAA03674@smtp02.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

As Paul indicated, condx were soft today and activity was rather slow. I missed the first hour and managed a measly 29 Qs for the balance of the test. Used my OHR Classic on 20M only, HP200LX with TR, 3 el yagi.
18 members x 5 = 90 pts
11 non-members x 2 = 22

(112 pts x 20 spc x 7(5w pwr)) + 5000 HB = 20680 score

The good part was working Jim AL7FS and KH6/WB6FZH in the last 35 minutes. It was especially satisfying to have all the gear working again after a water hose burst Wed. in the hamshack/utility room and drenched ALL the equipment. Spent the last 3 days disassembling and drying everything out. Trashed my laptop, switching power supply, organ/keyboard and many magazines/periodicals but was able to salvage much of the rest.

72/73 Floyd NQ7X M/NQ7X Phoenix ScQRPion DM33uq QRP-L 343
ARRL AMSAT ARCI G-QRP 8952 NORCAL DX WRKD HF=324 SAT=101 QRP=130

Date: Sun, 12 Jul 1998 21:51:51 -0700 (PDT)
From: herr@ridgecrest.ca.us (Michael Herr)
To: qrp-l@Lehigh.EDU
Subject: [14976] Antenna Tuner
Message-ID: <v01530500b1cee0128908@[208.138.142.133]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello All!,

Well, with summer in full swing I have decided to rework the antenna system again. This time it is the tuner. I have built the balanced tuner Zack Lau design up a while back. it's basically a reverseable L - match with a balun on the radio side for balance. In my case it met the most important requirement - I had all the parts! I didnot use the tapped toriod inductor, rather a roller inductor because --- I had it.

Anyway, so far it seems to be really working well. I would like to hear from anyone else who has tried it, comments, etc

72

Mike WA6ARA

Date: Sun, 12 Jul 1998 22:55:33 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14977] Re: spelling
Message-ID: <Pine.SOL.3.96.980712225444.13143B-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 12 Jul 1998, L. B. Cebik wrote:

> >
> > No big deal; most people can't spell the glorious English
> > language.
>
> Most people cannot spell the colourful English language or the equally
> colorful American language.

No wonder I have so much trouble. I don't have color!

: -)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Sun, 12 Jul 1998 23:14:11 -0800
From: "Jim Larsen (AL7FS)" <larsennc@alaska.net>
To: qrp-1@Lehigh.EDU
Subject: [14978] AL7FS in Denver
Message-ID: <35A9B3C2.A63197B7@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I will be in Denver Monday evening through 4 pm Thursday. Schedule is grossly busy but who knows, maybe I can meet up with one or two of the Denver group. Should be to the hotel by 7:30 Monday.

I will be arriving in Denver Monday evening at 6:07 PM on Delta airline flight 1047. Staying at Executive Tower Inn on 1405 Curtis Street in Denver (303-571-0300) on Monday and Tuesday. Have to move to Quality Inns at 4590 Quebec Str 303-320-0260 for Wed night.

We have a dinner scheduled for Tuesday night and are going to the ball game on Wed night. Hmmm, should I bring the HT?

Visiting AT&T. NOC tour Tuesday am. Meetings Tuesday PM and Wed. and a Lucent tour on Thurs.

I will be leaving tomorrow early but will check email one last time.

73, Jim, AL7FS

Date: Mon, 13 Jul 1998 00:29:20 -0700
From: W7LS <w7ls@blarg.net>
To: qrp-1@Lehigh.EDU
Subject: [14979] Charging Lithium-ion batteries??
Message-ID: <35A9B750.4D42@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

How-do...

Anyone have the facts on charging Lithium-ion batteries? What is the preferred method? Is there a web page that describes it, somewhere?

Thanks. Jim W7LS

Date: Mon, 13 Jul 1998 18:24:59 +1000
From: "Glen Torr" <glentorr@ozemail.com.au>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [14980] Various Glens
Message-ID: <001401bdae37\$ba5e04c0\$11c16ccb@hugo>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All,
I feel Paul may have confused me with Glen Leinweber as he is in NAFTA and has made many fine contributions to Elmer 100. So it is to the Canadian Glen that the good wishes are deservedly directed.
I also enjoy Glens comments and his suggestion to me some time ago concerning cores and op-amos (LMC6062) for the W7EL watt meter.

I, the Australian Glen am technically not in the same league but I am enjoying learning from the members of the group who so generously share their knowledge.
I want to contribute some little thing to the group and I see this administrative areas as some area I can help in.
I have been a QRPper for over 20 years and love building but I must confess (hang head in shame) that I have never crossed 13 wpm.
Cheers for now
Glen VK1FB

>I knew SOMETHING good was bound to finally come out of that NAFTA thing!
>
>Seriously, thanks Glen for your help. Glen's contributions to the
>Elmer 100 project have been excellent.
>

Date: Mon, 13 Jul 1998 18:49:03 +1000
From: "Glen Torr" <glentorr@ozemail.com.au>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [14981] Herring Aid 5 L1 / L2.
Message-ID: <004401bdae3b\$16d36c60\$11c16ccb@hugo>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,
Larry, N8MGU, has asked me if the Silk Screen for the 5 connections for L1 and L2 (P1 to P5) on the HA5 circuit board may be displaced 1 place (clockwise ?).
I dont have a Far Circuit Board yet so I wonder if any one else can shed light on the situation at the moment.
Thank You
Cheers
Glen VK1FB

Date: Sat, 12 Jul 2008 00:34:17 -0400
From: "LARRY A SPINNER" <LSPIN23@prodigy.net>
To: <QRP-L@Lehigh.EDU>
Subject: [14982] unsubscribe
Message-ID: <199807131116.HAA81868@pimout1-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Date: Mon, 13 Jul 1998 07:45:41 -0400
From: David Fouchey <dafouche@jax-inter.net>
To: pharden@aoc.nrao.edu, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [14983] Re: Solar 7-12: Very soft!
Message-ID: <3.0.1.32.19980713074541.0085eac0@jax-inter.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:37 PM 7/12/98 -0600, Paul Harden wrote:
>Also note at the bottom of the NOAA solar report that the GEOS-9
>satellite is experiencing problems and is to be replaced next week
>by taking GEOS-10 "out of storage." (Already in orbit). The SOHO
>solar satellite is still out of service. As this solar cycle moves
>along, I have a feeling we will be seeing many more "unexplained"
>satellite failures.

GEOS-9 had reached the end of its designed life span so it isn't that big

of a surprise. they have been having problems with one of the stabilizing wheels for a while now and the second is not acting up. (similar to gyro stabilizers) Just glad they have the GEOS-10 already in storage, already it is online giving data but still being calibrated. Still like you I wonder how many more sudden failures we can expect to see over this cycle...

And they want to discontinue ship board CW in favor of satellite communications huh?

73's

Dave

wa4emr

>

>

>JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

>SDF NUMBER 193 ISSUED AT 2200Z ON 12 JUL 1998

>IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100Z

>TO 12/2100Z: SOLAR ACTIVITY BECAME VERY LOW. ONLY SMALL B-CLASS

>FLUCTUATIONS WERE OBSERVED. CURRENT DISK REGIONS WERE PREDOMINANTLY

>STABLE.

>

>IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE VERY LOW TO

>LOW.

>

>IV. PENTICTON 10.7 CM FLUX

>OBSERVED 12 JUL 099

>PREDICTED 13 JUL-15 JUL 097/096/095

>90 DAY MEAN 12 JUL 109

>V. GEOMAGNETIC A INDICES

>OBSERVED AFR/AP 11 JUL 011/011

>ESTIMATED AFR/AP 12 JUL 008/012

>PREDICTED AFR/AP 13 JUL-15 JUL 005/008-005/008-005/008

>

>NOTICE: GOES-9 CONTINUES TO OPERATE AND THE X-RAY SENSOR REMAINS POINTED

>AT THE SUN. GOES-10 WILL BECOME OPERATIONAL THE WEEK OF 13 JUL AND WILL

>BEGIN ITS MOVEMENT TO 135W LONGITUDE SHORTLY THEREAFTER TO REPLACE GOES-9.

>

>

>

>

>

>

Date: Mon, 13 Jul 1998 07:56:30 -0400

From: Paul Helbert <phelbert@rica.net>

To: nilsbull@juno.com

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [14984] Re: Back & forth &c
Message-ID: <35A9F5EE.3932BF70@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> Am I the first to note that 4.096 was chosen due to
> 4096 being a number obtained from two raised to a
> integer value? -- Chuck Adams

> Could "Bob" have been wrong? Could the real date be July 5, 8661? And
> why doesn't anyone in charge have any charge on 'em any more? What about
> them badgers? The rabbit venom? I drank lots of that and nothin'
> happened. Blitherin' minds wanna know!

Am I the first to note that 8661 was chosen due to 180 degree phase
rotation about the horizontal z axis?

Attaboy Nils, love your stuff!

Paul, Wv3j

Date: Mon, 13 Jul 1998 07:49:30 -0400
From: mikemo@ibm.net
To: penzo@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14985] Re: Elmer 101: T1 not peaking
Message-ID: <35A9F44A.7392@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Michael A Penzo wrote:

>
> I just finished my sw40+ (sorry, I just couldn't wait)

AHHHHHHHHHHHHHHRRRGHHHH!!

> and found that the
> rig is most sensitive if T1 is "bottomed" out. It doesn't peak. I
> remembered this message that Stewart sent out a while back and I'm
> wondering if I should change C1 to 68pF on my rig as well so that T1 will
> peak.

I tack soldered a 22pf cap in parallel on the bottom of the board.

Changing to a 68pf would also work. Does anyone know why???? (Homework
;-)

> Also, my sidetone is very low. Has anyone else experienced low sidetone
> or is it just me?

You are jumping ahead of me, but you can make R9 smaller for a louder
side tone (less mute). This will be covered later in the next section
for the two students remaining :-(

72 de ku4qo
Mike Maiorana
Palm Harbor, FL

Date: Mon, 13 Jul 1998 08:29:22 -0400
From: Michael Neverdosky <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.EDU>
Subject: [14986] Re: Maritime Morse is Tapped Out
Message-ID: <35A9FDA2.47DC4EE@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Is it my imagination, or are a lot a satelites having problems
all of a sudden?

I think it is good to keep lots of options open.

michael N6CHV

crc3@telplus.net wrote:

>
> try a cell phone in an auto accident. someone already has the line calling the
news while u try to get fire and rescue. u saw how a satellite 30 degree shift
> paralyzed innumerable pagers.

Date: Mon, 13 Jul 1998 09:03:22 -0400
From: "rrhensel" <rrhensel@sprintmail.com>
To: "qrp-l" <qrp-l@Lehigh.EDU>
Subject: [14987] Call sign database
Message-ID: <000301bdae5e\$9e4e6aa0\$0317e590@nos_rrhensel>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello all;

My son just passed his test for Technician call license.
Is there a place to search on the web to find out when
his call sign is assigned? He is anxious to start using
his new radio, and wants to start as soon as he can.

Thanks

Richard Hensel
SR. Engineer
SPRINT
rrhensel@sprintmail.com

When you have a hammer in your hand ...
The whole world looks like a nail.

Date: Mon, 13 Jul 1998 08:31:36 -0500 (CDT)
From: Joe Smith <joe@cooldude.com>
To: rrhensel <rrhensel@sprintmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14988] Re: Call sign database
Message-ID: <Pine.LNX.3.95.980713083041.1164C-1000000@buster.hworx.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 13 Jul 1998, rrhensel wrote:

> My son just passed his test for Technician call license.
> Is there a place to search on the web to find out when
> his call sign is assigned? He is anxious to start using
> his new radio, and wants to start as soon as he can.

This location will give you the latest information:

[http://gullfoss.fcc.gov:8080/cgi-bin/ws.exe/prod/efpa/forms/
610/610_License_Search2.htm](http://gullfoss.fcc.gov:8080/cgi-bin/ws.exe/prod/efpa/forms/610/610_License_Search2.htm)

Date: Mon, 13 Jul 1998 08:02:41 -0500
From: applitech@mcg.net (Claton Cadmus)
To: <mikemo@ibm.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [14989] Re: Elmer 101: Remaining students
Message-ID: <000201bdae63\$83e8a860\$a10a5e2c@groucho>

Mike Maiorana wrote:

>This will be covered later in the next section
>for the two students remaining :-(

I think there are probably more than two students. I for one, find the discussion interesting.

This Elmer process over the internet is a learning experience too. One of the lessons is that it is very difficult to try and manage the pace of the students. I suggest in the future we do not try. Lay the lessons out fast and furious and let the students proceed at their own rate. Instructors simply make themselves available for answering and discussing various questions as they come up.

I'm an example of why it is difficult to set the pace. I found myself several weeks ago with enough free time to build up the whole board and start on the case for the SW40+ but haven't had the time to get back at it since. I don't even know if it works, haven't let the smoke out. But that's OK because this is my hobby.

Mike, thanks allot for all you've done. Elmer 101 is a continuing success.

73 de KA0GKC Claton Cadmus

cla@mcg.net

MNQRP #1

Minnesota QRP'ers we're looking for you!

Email me or visit this page <http://www.qsl.net/mnqrp>

Date: Mon, 13 Jul 1998 09:41:11 -0400
From: Greg Weinfurtner <gweinfurt1@ohiou.edu>
To: qrp-1@Lehigh.EDU, dking@electric.chem.ohiou.edu
Subject: [14990] Cool new QRP power source!
Message-ID: <v03110703b1cfbdefa3bb@[132.235.72.188]>
Mime-Version: 1.0
Content-Type: text/enriched; charset="us-ascii"

<fontfamily><param>Geneva</param>Guys and gals,

Found this on one of the tech mailings*, sounds like the perfect outfit to get the batteries charged while "afield!"

TINY TURBINES TO POWER LAPTOPS

Scientists at MIT's gas-turbine lab predict that sometime around 2000

engines the size of shirt buttons will begin replacing the batteries now

powering handheld computers, cell phones and camcorders. Lab director Alan

Epstein says a turbine-driven power pack could be made about 25% smaller

than today's lithium batteries and last twice as long between refuelings.

The MIT model resembles a miniature jet engine and runs on butane. The U.S.

Army, which is funding the research, is planning to use the new engines to

power GPS receivers, night-vision goggles and other military gear.

(Business Week 13 Jul 98)

I'm adding this as I think they require it, copyright and all that stuff:

*</fontfamily>Edupage ... is what you've just finished reading. To subscribe to Edupage:

send mail listproc@educum.unc.edu with the message: subscribe edupage <<your

name>. To unsubscribe send a message to: listproc@educum.unc.edu with the

message: unsubscribe edupage. If you have subscription problems, send mail

to manager@educum.unc.edu.

73 de NS80

Date: Mon, 13 Jul 1998 08:46:54 -0500
From: nilsbull@juno.com (Nils R Young)
To: phelbert@rica.net
Cc: nilsbull@juno.com, qrp-1@Lehigh.EDU
Subject: [14991] Re: Back & forth &c
Message-ID: <19980713.085133.9078.1.nilsbull@juno.com>

Paul Helbert said "Am I the first to note that 8661 was chosen due to 180 degree phase rotation about the horizontal z axis?"

No, you ain't. I got the number off one of the remaining SubG pages that makes any sense. Took me a moment to figure it out.

Kinda like the time a local called me on 10m (remember 10m?) with the bogus call sign UB00B. I congratulated him on his superior command of English only to discover that it was Chuck Gelm, whose callsign I can't remember now . . .

73
Nils

Nils R. Bull Young
La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch
WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com
<http://www.geocities.com/Athens/Olympus/9172>

Date: Mon, 13 Jul 1998 08:44:32 -0500
From: nilsbull@juno.com (Nils R Young)
To: aa1qj@ids.net
Cc: qrp-1@Lehigh.EDU
Subject: [14992] Re: Maritime CW is tapped out
Message-ID: <19980713.085133.9078.0.nilsbull@juno.com>

Y'all,

Dialect studies, remember?

Anyway, as Andy (the youngest) & I were touring the USS Yorktown, the USS Laffey and the USS Clamagore at Patriots Point in SC, I stopped at the radio rooms (of the two ships that had 'em open for view) and pointed out each piece of equipage to the youngster.

"That's a URC32A . . . it's the A model 'cause it has that little 100 Hz wheel on the side . . . and that's a WRR2, hell of a nice radio. National made 'em. Built like a tank . . . and that's the TCS transmitter & receiver set . . . That's the LF receiver . . . and the tape deck there, it was used for code burst transmission . . . plenti trabil long datpela samting . . . " "

"And poppa, look, a key! But it's newer than the ones you have!"

Made my eyes water some. The boy's so sharp.

Andy enjoyed the USS Yorktown most, I suspect, 'cause it gave him a chance to see what it was like for me on the Sara. Almost. Much lower overheads in the hangar bays (were they really that higher?). And the radio room was not open for inspection, which I thought was a major blow off.

And there was Cindy, talkin' on the cell phone to the hotsy-totsy restaurant where we ate dinner after seeing all that glorious battle grey. Sixty two numbers & your credit card at the ready.

Nils

Nils R. Bull Young
La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch
WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com
<http://www.geocities.com/Athens/Olympus/9172>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 13 Jul 1998 09:46:38 EDT
From: agulseth@juno.com (Al Gulseth)
To: qrp-1@Lehigh.EDU
Subject: [14993] Shack cleaning
Message-ID: <19980713.083840.5015.1.agulseth@juno.com>

(If you subscribe to the Mid-America QRP group reflector, you may have already seen this.)

Greetings all,

As it appears I will probably be an "appliance operator" for about the next 6+ years along with wanting to free up a room for a study/office due to a decision to continue my education, the 25 year collection of tinkerer/scrounger "goodies" at WB5JNC must be thinned considerably. Therefore, I am undertaking a shack cleaning and "inventory reduction". A partial list follows: e-mail for more details (I'm trying to put together a list) or if you are looking for something specific. I have so much stuff I'm bound to have something you're looking for! I'm hoping to have a table or two at the Springfield (MO) hamfest in August for those of you in "Mid America". Might also swap for HF gear and/or accessories?

Larger items & partial inventory:

2 Lambda HD rackmount variable power supplies, Tektronics 7704 & HP 182T display units (these use plug-in modules to make O'scope, spectrum analyzer, etc.), Kenwood 7625 & Pace Communicator II 2M mobiles, Valor "Omni-Gain" 2M groundplane, Micronta/RS HF SWR/FS meter, RS 33-992 PA mike, Andrew 44AN & 44AU 1/2" flex coax connectors, DB products mobile antenna bases, miscellaneous "experienced" low voltage transformers from 0.25A to about 25A along with diodes, filter caps, power transistors and

heat sinks for building LV power supplies, numerous miscellaneous small parts, (resistors, caps, diodes, transistors, IC's, crystals, meters, variable caps, etc.) No list (yet) but let me know what you're looking for and I'll see if I have it or something close.

TNX/73,

Al WB5JNC

E-mail agulseth@juno.com
landline 501-632-8817

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 13 Jul 1998 08:49:01 -0500
From: applitech@mcg.net (Claton Cadmus)
To: "QRP-1" <qrp-1@Lehigh.EDU>, <phelbert@rica.net>
Subject: [14994] Re: Back & forth &c
Message-ID: <002501bdae65\$15c4f080\$a10a5e2c@groucho>

>Am I the first to note that 8661 was chosen due to 180 degree phase
>rotation about the horizontal z axis?

Nope, just the first to ask. ;-)

73 de Cla

Date: Mon, 13 Jul 1998 09:13:46 +0500 (GMT-5)
From: Jim Osburn <wd9eyb@butler.indiana.net>
To: KB9RPD@aol.com (Ted), hartzler@abcs.com (Wayne), k9ere@hotmail.com (Gary),
WTHI99C@prodigy.com (Jeff), carpentt@citrine.indstate.edu (Todd),
n9ta@bluemarble.net (Fred), n9dd@aol.com (Tom), allandavis@mindspring.com
(Allan), w9ya@amsat.org (Bob), weber@accenttech.com (Rick),
Cc: qrp-1@Lehigh.EDU, wvara@butler.indiana.net (WVARA)

Subject: [14995] INQRP Indiana QRP at Indy
Message-ID: <199807130413.JAA15036@butler.indiana.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

The Indiana QRP Club was at the Indianapolis Hamfest this past Saturday and it was really good. Ted, KB9RPD, reserved us a table in building 2 and that was a good spot to be. Even though the building isn't air-conditioned it was very comfortable. That fact the weather was perfect had a lot to do with that. It was in the low to middle 80's for a high and the sky was clear and really blue because of low humidity. I don't recall Indianapolis Hamfest weather ever being that good.

Our spot at the hamfest was also pretty good because a ton of people came by. Tom, N9DD, and I manned the table from a little before 8 AM until about 2:30 PM or so with a short break in between. I don't think I ever stopped talking QRP for the whole time. I kept a sign-up sheet for the Indiana QRP Club and more than 50 people signed up. We also handed out a lot of flyers.

The big attraction at our table were the rigs we brought to show off. The one that drew the most attention was the lunch bucket rig built by Denny, N9JXY. It is definitely a work of art. I think it was on the cover of the April QQ. People would come by and look at it and say wow. Then they would run off and grab some buddies and bring them back to look at it too.

Also on the table built by N9JXY were a Knight Smite built into a Kiwi shoe polish can, a Tuna Tin 2, a Herring Aid 5, and more. Denny is a master craftsman when it comes to building rigs.

Rick Weber, W9QZ, brought a Knight Smite built into a very small enclosure with a surface mount Tick keyer. People were amazed that a complete transceiver and keyer could be built so small by a ham. It was a very neat and well done construction.

Tom, N9DD, brought a 49er, White Rook paddles with built in Tick keyer (which he built in himself, not the White Rooks you can buy with the keyer), and a set of Norcal Paddles. Around here we have a hamburger joint called Whitecastle. Several times I had to correct myself from saying Whitecastle paddles. There's no comparison really. White Rook paddles are good things. My condolences to all the Slider Pilots reading this.

Tom's Norcal Paddles had a polished base and looked great. Tom started rubbing the base of the paddles with finer and finer polish and they started getting shiney. After awhile they looked so good he decided not to paint them.

I brought my 38 Special built into a pencil box, my homebrew 40 m rig which I destroyed a few years back by hooking the power up backwards (don't use bannana jacks for power), my T-kit 1340 and my OHR Explorer II on 20 m. I also brought a copy of The Joy of QRP, the January QQ, Databook for QRPers, and QRP Power. I was careful to label my stuff as not for sale. Being stingy I want to keep it all. People wanted to buy Denny's lunch bucket rig, but if I were Denny I would ask a million bucks for it.

Also on the table were a copy of Solid State Design and W1FB's QRP notebook that Ted, KB9RPD, brought. We also had some T-kit catalogs and some Scout flyers that Wayne, AA9SP, got for us from Ten-Tec. All of the T-kit catalogs were handed out.

About 2:30 PM or so the crowd started getting really thin, so we decided to head for the pizza place. It was a Pizza Hut over at I-465 and Emerson Avenue and was easy to get too. Ted had located this place earlier. I kind of messed up by not publicizing the pizza meeting better. I should of had a sign at the table giving a definit time and place but I failed to do that. Consequently only N9DD, WB9QFE and myself were at pizza. Oh well, the pizza was good and I will do better next time.

I took a few pictures at the 'fest and hope to get those back sometime this week and put up on the Indiana QRP Club web page. Also, Tom, N9DD, took pictures with a digital camera and those will be on the web page soon too. The Indiana QRP Club does have a web page provided by Rick, W9QZ, at the address below. We are growing and building.

<http://www.accenttech.com/qrp/>

The next thing that is going to happen is I'm going to attend my local general ham club's tailgate party and set up a QRP display again. The Wabash Valley Amateur Radio Association (WVARA) Tailgate Party isn't a big event but it is fun and gives hams in the Terre Haute, IN, area a good place to gather. It's this coming Saturday at Camp Wildwood Boy Scout Camp on the east side of Terre Haute. If you're in the Terre Haute area come on out and visit. Talk-in is on 25-85.

The next Indiana QRP Club event I think should be a big pizza meeting somewhere. We'll have to work out the details on this. We'll need to contact the more than 50 people that signed up at the Indy Hamfest and get them to the meeting.

The Indiana QRP Club should also probably have a booth at the big Fort Wayne, Indiana, hamfest coming in November. The details of that and the reservation of a table need to be worked out. Although I have not attended the Fort Wayne hamfest I have heard it's a good one. I have always thought of Fort Wayne as a high tech town.

The Indiana QRP Club might also show up at some of the smaller hamfests around Indiana like Lafayette and Bedford. I once attend a forum at the Lafayette Hamfest presented by Paula Franke and it got me interested in QRP. Maybe we can repeat the favor.

This QRP club stuff is fun.

Jim, WD9EYB
wd9eyb@qrp.com

Date: Mon, 13 Jul 1998 09:32:53 -0500
From: nilsbull@juno.com (Nils R Young)
To: applitech@mcg.net
Cc: qrp-l@Lehigh.EDU
Subject: [14996] Re: Elmer 101: Remaining students
Message-ID: <19980713.093300.9078.3.nilsbull@juno.com>

Gang,

I've been avoiding the Elmer 101 deal for a couple reasons.

First off, I don't have time to build stuff, check it out and then sit here at the keyboard trying to type up what I've done wrong or what don't work. Second, I'm kinda lazy about theory. If I need to know, I'll dig. If I don't see a need, I'll wait for one.

But the question of pacing & the Elmer 101 project's design and continuance is one of considerable background. Not my background, mind you, but just background.

We're talking about what's nowadays called "Distance Learning" or "Distributed Learning," a postmodernist slang/jargon for self-paced, on-yer-own, discovery & consequence type of learning that once was the domain of public television stations, AV departments in big universities & correspondence courses (with or without tape).

I don't have a pile of URLs on this, but there are tons of places around that deal with it, use it, run it, scam it & design it. There are three or four major players in the process, sites which serve as connection points for classroom teachers working without walls or direct personal contact with students. One is "PlaceWhere," another is "TopClass." You can find 'em on the web.

One of the things that you'll find, if you get into it serious, is the

very thin line between undocumented, unrehearsed, barely academic web pages (like mine) and big-time, serious money, serious business academic web sites (like various "center for teaching & learning" or "center for academic excellence" pages that most universities now seem to be growing).

Part of the problem is the growth of education as an industry. We now talk about students as "consumers" and about education as a "product" that can be "delivered" in a way that "satisfies" the students' "needs."

Here's your diploma. Would you like fries with that?

Phoenix University, Kodak Tech, ITT Tech, Xerox University, places like that, are popping up all over. No big expense in classroom space. No central building to register & pay. Just one big web space where you can learn what you need to know in order to talk the talk and walk the walk. No experience. No hands on. Nothin' but your money in their pockets and your time in grade. Then you get a sheet of paper that shows you "took" the "courses" and paid your cash. The paper says you should know how to do something.

Kinda like the Church of Scientology: you get your gains validated and you pay your money and you move on up the ranks from "wog" to OT#.

So if there is any plan to change the Elmer set up, consider what it takes, what the changes are going to do and whether or not the changes are just another size of fries to go with the meal.

And check out the on-line educational system while your at it. I think you'll find yourself wondering if we're not all headed for a society for which life is nothing more than performance art. Parroted rhetorical schema. Chicanery. Bravura. Posturing & pretense.

Which, obviously, QRP & ham radio don't need . . . since there's enough of it as it is already on 75m.

73

Nils

Nils R. Bull Young

La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch
WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com
<http://www.geocities.com/Athens/Olympus/9172>

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 13 Jul 1998 09:55:28 -0500 (CDT)
From: jdenison@morelr.com (JOEL DENISON)
To: qrp-1@Lehigh.EDU, KJBRASSO@aol.com
Subject: [14997] De-Fin-A-Tive words on the spalling thread & QRP OPEROTATION
Message-ID: <199807131455.JAA29362@ns1.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

High Gang:

We all no the amportance of proper spleaking and that shuld cary
over to spealing allso...

The objection hear is to co-munne-a-cate information to another
parson soooos dey can anderstand it... Write!!!!

Now in destruction of a kit u must use the correct part numbers
(spalling) or a 2n2222 becomes a 2m2222 seareus situation... and what really
gets me is when no one uses capital letters when sending morse code...
Terrible...

Is his name dan or Dan???? U laugh!!! This is imperative!!!!

UNLESS

the righter can get the mess-age across to the other person in spite
of any mispallings... let's say us sent qts instead of qth in a qso or QSO
(correct spealing) It's bad enough to do this at qrp or QRP levels but can
u imagine at qro power... oh the shame...

Do like I do and put a list of the q siganals in font of knew and
duble check ur spealing... really helps the qso go smoooother...

also note that learning to spell many words correctly wil hep u out
when sending and receiving morse code at higher speeds where u start
recognizing words, head copy and all that good stuffs...

To summer-rise all this... if u r dealing with part numbers, learn
to spel them correctly... if u r writing (at least to me) speal good enough
for me to understand what u are saying and all is perfect ...

And, of course, my pet irritation, DON'T FORGET TO PUT THE CAPITAL
LETTERS IN THE CW WHERE THEY BELONG... :-)

Lettuce prey this thread ends heah...

God Bless

joel,wa5cvm, in maine, whare it sneauxs...

God Bless

Joel

WA5CVM

Joel Denison
PO BOX 542

Gentle Lady (RC Sail Plane)(049 engine - start)
DIPOLE on 40mtr

Strong, Maine 04983
jdenison@morelr.com
here

QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765
Use strong nets guys, the crawfish are big over
here

Date: Mon, 13 Jul 1998 10:55:56 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@Lehigh.EDU
Subject: [14998] EMERGENCY COAX CONNECTORS
Message-ID: <9b1d02bf.35aa1ffe@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I was wondering what you folks use for emergency coax connectors in the field assuming you don't have access to soldering equipment. I was planning on just making up some some plugs with short pigtails so I can splice the wires if needed. Any other suggestions?
Alan KB7MBI

Date: Mon, 13 Jul 1998 14:59:51 +0100
From: Peter Larsen <larsenp@cadvision.com>
To: jdenison@morelr.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14999] Re: De-Fin-A-Tive words on the spalling thread & QRP OPEROTATION
Message-ID: <35AA12D7.57C971ED@cadvision.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

***** **** wrote:

>
> High Gang:
> We all no the amportance of proper spleaking and that shuld
> cary
> over to spealing allso...
> The objection hear is to co-munne-a-cate information to
> another
> parson soooo dey can anderstand it... Write!!!!

Must have learned how to spell using CW. ;o>

Peter
VE6NAO

Date: Mon, 13 Jul 1998 08:00:47 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: ARDUJENSKI@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15000] Re: EMERGENCY COAX CONNECTORS
Message-ID: <Pine.SOL.3.96.980713075944.13597B-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 13 Jul 1998 ARDUJENSKI@aol.com wrote:

> I was wondering what you folks use for emergency coax connectors in the field
> assuming you don't have access to soldering equipment. I was planning on just
> making up some some plugs with short pigtails so I can splice the wires if
> needed. Any other suggestions?
> Alan KB7MBI

Hi Alan,

I use wire nuts!

If it's gonna be "up" for a long time, I use lots of Pentox or
whatever they call that conductive goop!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Mon, 13 Jul 1998 10:38:03 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: larsenp@cadvision.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15001] Re: De-Fin-A-Tive words on the spalling thread & QRP OPEROTATION
Message-ID: <35AA29DB.A607CB3@swbell.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Actually he learned (?) from reading newsgroup and reflector messages.
Shows, doesn't it? Some learn quicker than others.

72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Peter Larsen wrote:

>
> ***** **** wrote:
> >
> > High Gang:
> > We all no the amportance of proper spleaking and that shuld
> > cary
> > over to spealing allso...
> > The objection hear is to co-munne-a-cate information to
> > another
> > parson soos dey can anderstand it... Write!!!!
>
> Must have learned how to spell using CW. ;o>
>
> Peter
> VE6NAO

Date: Mon, 13 Jul 1998 12:14:36 -0400
From: "Mike Czuhajewski" <mczuhajewski@evi-inc.com>
To: "QRP forum" <qrp-l@Lehigh.EDU>
Subject: [15002] Too many messages?
Message-ID: <199807131612.MAA18434@xanadu.evi-inc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I sent this to the person who made the post with a CC to qrp-l, and looks
like the CC bounced, so here it is...

>From your recent post on qrp-l:

HELP, !!!!!!! Have received over 350 messages , when do u get time to read this es still have time to get on the air or ?. Tnx. somebody. 73 Rich.

I learned the secret ages ago! Sounds like you're getting each message as it comes in, which consumes a hellish amount of time to say nothing of the clutter in the inbox if you are offline for a while. What you need to do is turn on the Daily Digest option. Instructions are in that automated welcoming message you got when you subscribed and probably deleted :-) You can also find the info on the qrp-l web page.

The daily digest bundles the entire days traffic into a single e-mail (but a huge one) and you get one e-mail per day from lehigh.edu. No more clutter in the inbox! Much less chance for important mail to get lost in the clutter! I download them and save to disk, and read when I get around to it--sometimes the next day, sometimes three weeks later :-)

Best of all, the daily digest is completely indexed and has a cross referenced table of contents at the top. You scan the ToC, see what message subjects look interesting, skip down to them and ignore the rest. Each message has a sequential number within the digest, as well as an "overall number" which indicates it's place in the universe. Here's the ToC from the day that had your post--

QRP-L Digest 1148

Topics covered in this issue include:

- 1) [14780] Elmer 101 question
by "C. Lamar Derk" <n3at@epix.net>
- 2) [14781] Re: Digital Camera
by Bruce Muscolino <w6toy@erols.com>
- 3) [14782] Automorse Image
by "Marshall Emm" <mgemm@mtechnologies.com>

[snip]

- 78) [14857] Packing material
by ac5ez@webtv.net (Larry B)
- 79) [14858] QRP help
by "Richard Bauer" <K5RB@worldnet.att.net>

[And text of all the messages follows.]

Your message was in daily digest #1148, the 79th (and last) for that day, and the 14858th posting since qrp-l started...or at least since it

transferred over to lehigh.edu a few years back.

The daily digest might be the answer you've been looking for.

73 and queue our pea DE WA8MCQ wa8mcq@abs.net

Date: Mon, 13 Jul 1998 12:18:16 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-1@Lehigh.EDU
Subject: [15003] De-Fin-A-Tive
Message-ID: <13431@w4bkx.ampr.org>

Superflous mastication of the English manglage!

de W4PJ / Scott
----- 73 -----

Date: Mon, 13 Jul 1998 09:49:11 -0700
From: Andy Fox <foxes@theriver.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [15004] Antenna Options
Message-ID: <35AA3A87.3FFF523@theriver.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

I'm exploring options for a new antenna and am looking for advice.

I used to use either a dipole or end-fed half-wave antenna on 40 meters. This workded out pretty well, despite the fact that both my antennas were very low (about 12 feet). I had been practicing CW with a friend about 60 miles away, and could usually count on a decent signal. Now I've moved 50 miles closer to him and we appear to be unable to communicate using the same basic antenna setup. One benefit to the move is that we can make free telephone calls to try to debug the system ;-)
Last night we verified that we could hear the same signals in the same

place "on the dial."

My best guess is that we were using NVIS to communicate, and that now we're just too close (flame suit on).

I was considering building a screwdriver antenna, mostly because it's small and partly because it's a vertical. It looks like I shouldn't plan to do this any time soon.

I saw a post recently about building a rotatable dipole for 30 meters out of a couple of hamsticks. This would fit in my postage-stamp sized lot, and I could put it up in the evenings relatively easily ("stealth" antenna). I could also get this antenna up a little higher than my existing antenna. An added benefit to 30 m vs. 40 m is the increase in the height measured in wavelengths. It's still low, though, about 0.2 wavelengths...

Thanks in advance for any suggestions.

--

72/73 de Andy, KK7HV - QRP-L #1286 - Tucson, AZ

Date: Mon, 13 Jul 1998 10:32:01 -0500
From: ab5uacw@juno.com (Clifton W Sikes)
To: qrp-l@Lehigh.EDU
Subject: [15005] Homebrew Sprint
Message-ID: <19980713.103203.6734.2.ab5uacw@juno.com>

This looks like a slow day on QRP-L, so I'll ask a qrp question. Where were all of the West coast stations in the ARCI Homebrew Sprint? I worked two Ca. stations, and one Wa. station. The signals weren't that bad. Where were you guys? Only worked Floyd, of the ScQRPions. Usually lots of Az. stations. Did Joe get gobbled up by the corporate monster? Floyd, you had better check on him.

72,

Clif

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 13 Jul 1998 11:49:21 -0700
From: Don Bowen <don.bowen@chrysalis.org>
To: qrp-l@Lehigh.EDU, 50mhz@qth.net
Subject: [15006] VXO design information
Message-ID: <35AA56B1.35B7@chrysalis.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Last week, someone posted information on the QRP-L relector about a wide-range VXO (80 KHz at 3.5 MHZ) designed by G3ESP. There was a schematic at his web site. The VXO uses two crystals about 3.5 MHz apart, one of which is "tuned". The rubber crystal is a 17+ MHz crystal in series with an inductor (44 turns of wire on a toroid) and 30 pF capacitor. Based on those parameters, the series-tuned circuit surely resonates at a frequency much lower than that of the crystal - perhaps at half the frequency.

Therein lies the question:

What are the design criteria for VXOs? How does one determine the value of components for the tuned circuit? Even if the design is empirical, there has to be a reasonable starting point. Neither the Radio Amateur Handbook (ARRL) nor the Radio Handbook (Editors and Engineers/Bill Orr) gives any clues on the subject. Both books acknowledge that a VXO is a workable circuit, and the ARRL publication has some projects that use a VXO; but how does one go about designing a VXO for a completely different frequency - for example, some frequency that can be multiplied X times to use as an LO covering 500 KHz at, say, 39.3 MHZ for a six-meter radio?

Using the G3ESP technique, it should be possible to get an 80 KHz tuning range at about 4.9 MHz, then multiply by 8 to get 39+ MHz with a swing of 640 KHz (and be more stable than the usual analog VFO). But one needs to know how to determine the series tuned circuit parameters.

Help?

It is not likely that there is much general interest in this subject, so please respond directly to me. Thanks.

Don Bowen
K5LHO

Date: Mon, 13 Jul 1998 13:13:47 EDT
From: sigcom@juno.com (Stephen M Smith)
To: qrp-l@Lehigh.EDU
Subject: [15007] 11-2-10: Mfg.'s name/logo
Message-ID: <19980713.100115.8151.1.sigcom@juno.com>

Group,

I'm trying to identify the name of the semiconductor manufacturer who uses the logo "NPC". This is for the 11-2-10 project.

73.....Steve, WB6TNL Oxnard, CA QRP-L # 621 NorCal Zombie # 2065
SCQS # 41
ex-WN6TNL (1967)

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Date: 13 Jul 1998 13:08:13 -0400
From: Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>
To: mikemo@ibm.net
Cc: qrp-l;;
Subject: [15008] Re: Elmer 101: Part 10, first audio amp
Message-ID: <1998Jul13.130813-0400@[130.113.234.7]>

In <35A7BFD5.5039ED2F@ibm.net>, Michael Maiorana wrote:

>Here are my questions:

>1) How can we calculate the DC voltages of this stage. Opamps should be
>easy, right ;-)

Ok, it all starts with the +8v feeding in thru R4(510k)...that's the biasing reference voltage going into U4 pin 3. Since U4's bias current is so small, there'll be a very small D.C. voltage drop across R4, and pin 3 will end up with almost +8v too.

Now at 0Hz (D.C. voltage), U4 has INCREDIBLE gain. That is, if there's ANY voltage difference between the two input pins (pin 2 and pin 3), the output D.C. voltage (at pin 1) will saturate:
if pin 2 is ABOVE pin 3, the output will saturate down near zero volts...
if pin 2 is BELOW pin 3, the output will saturate up near +12v.

Notice that there's a DC path from the output (pin 1) back to the "-" input (pin 2) through R7(510K). Once again, the D.C. current drawn

into pin 2 through this resistor is tiny (insignificant). So to keep pin 2 = pin 3, the output will have to sit very close to +8v. So all three pins sit close to +8v. If you were to drag pin 3 down to +6v, the other two pins would follow. Ain't negative feedback wonderful?

>

>2) How do we calculate the gain of this stage. The manual says 30db.
>What is the voltage gain?

>

This is AC gain (DC gain is zero since C20 and C21 block DC voltages). AC gain is set mostly by the ratio of R7(510K) to R2(10K). This gives a gain of about 50. Actually, source impedance is a little higher than 10k, since we should add U3's output resistance of 1500 ohms (reducing gain a little).

That's where the 30 dB comes from. But you can consider that gain is actually twice that, since BOTH output signals from U3 pin 4 and U3 pin 5 are used to drive U4 (each have the same AC amplitude). This is a differential amplifier configuration.

>3) Why is C21 smaller than C20?

>

To find the answer, you should look at the input impedance going into each input to U4 (this gets tricky):
Input Z looking into R2 is 5K, not 10k as you might expect. Consider that when the input side of R2 is going UP, its output side is going DOWN by about the same amount. Remember, pin 2's voltage tracks pin 3's voltage...and pin 3 is driven from U3 with a signal of similar amplitude, but opposite polarity.

Input Z looking into R3 is very very high, since each end of R3 has the same AC voltage on it....except for the effect of C22(150pf) and R4(510K). R4 actually sets the upper limit on input Z here.

So C20 sees 1500 ohms on one side (from U3) and 5K on the other side (from R2). This works out to be a high-pass filter, letting thru everything above about 350 Hz.

But C21 can be a LOT smaller because impedance levels approach 510K. C21(0.01uf) just happens to be a handy value that is used elsewhere.

>4) What is the purpose of C19? Is this a terminator of some kind?

Remember that U3 is a double-balanced mixer. It gives about equal output at two frequencies:

L.O. + I.F. (4.0008 Mhz + 4.0Mhz = 8.0008 MHz)

L.O. - I.F. (4.0008 MHz - 4.0Mhz = 800 Hz)

We want the 800 Hz. stuff, but we DON'T want the 8MHz. stuff since it could cause U4 trouble (wasn't made to handle R.F.).

So C19 "terminates" the R.F., leaving audio alone.

BTW:

C19 and C20 and C21 were all ceramic capacitors in my kit. These are prone to generating "microphonics". And since they're ahead of a LOT of audio gain, they are the prime suspects for replacement if you have microphonic trouble.

Check for microphonics: once audio is coming out the headphones, tap the board and listen for "boink" aftereffects. If you hear any, try tapping or scraping along these three caps to see if its worse. If you can run a fingernail along the face of these caps, and hear it in your headphones, then you might consider replacing them with mylar, or polyester or any plastic film-type caps of the same value. Should help reduce microphonics a lot.

Date: Mon, 13 Jul 1998 17:14:08 +0000
From: Ed Loranger <we6w@qsl.net>
To: ab5uacw@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [15009] Re: Homebrew Sprint
Message-ID: <35AA4060.7ABE@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Clif, the rig was on all day but band was very bad here in CA. QRN Crashes and weak sigs. Family was over for my 40th b-day, but I did get to check the rig often.

Have been trying 10 Meters but it is dead. Also 21.158 for FSC (Fifteen Slow Code) to give our coders someone to work, but only worked one guy all week! I put in many CQ hrs. But it was fun catching Venezuela on 15Meters and having a qso in Spanish. (I made his day :) I did hear the FSC net Sunday at 1700Z but rst 119.

I've got only ONE line left in my log book! That's right, except for two contacts in 1985, All my qso's have been QRP and I've filled in the logbook. (ARRL) Need a new one! Will most likely staple used cover sheets from the copy machine at work. Re-use.

Just think, 5000 bonus points in the HB sprint using

my OHR-100, and no qso's...

Next time.

73 es 72 to all.

-Ed

Clifton W Sikes wrote:

>

> This looks like a slow day on QRP-L, so I'll ask a qrp question. Where

> were all

> of the West coast stations in the ARCI Homebrew Sprint? I worked two Ca.

> stations, and one Wa. station. The signals weren't that bad. Where were

> you guys? Only worked Floyd, of the ScQRPions. Usually lots of Az.

> stations. Did Joe get gobbled up by the corporate monster? Floyd, you had

> better check on him.

>

> 72,

>

> Clif

--

72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR

<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Mon, 13 Jul 1998 11:15:04 -0600

From: jaywa5whn@juno.com (Jay D Miller)

To: qrp-l@Lehigh.EDU

Cc: w5bi@amsat.org

Subject: [15010] Glacier - Waterton International Hamfest QRP Seminar {Montana-USA}

Message-ID: <19980713.111509.8542.0.JayWA5WHN@juno.com>

qrp-lers,

Sometimes, PDL {pure_dumb_luck} works. We {WB5LYJ & I} will be hiking in Glacier National Park {East Glacier Park} along the Continental Divide July 18 - 24. Did we know that there was a Hamfest about to take place @ The Three Forks Campground in East Glacier, Montana ? Did we know that there is a QRP Seminar scheduled on Sunday {July 19th} afternoon ? WOW !!

OK, who is the actually doing the presentations @ the QRP Seminar @ The Three Forks Campground ?

<http://thor.tlatech.com/hamfest/>

Honest, I did not know about this, & we were planning on camping within a mile of the Three Forks Campground, near the Continental Divide.

On a separate subject: Icom IC-706 Mk II DSP Unit {UT-106}. If you follow the instructions sent with the DSP unit, you may destroy a ribbon cable. I had called Icom and offered a few suggestions. The instructions, as stated, leave you with a problem threading a cable {J1 on the UT-106 to P1 on the main unit}, from the DSP unit into the other side of the transceiver. In order to do this, there is a ribbon cable in the way. Carefully {it's paper thin} remove one end of that ribbon cable & thread it through to the other end {you don't have to remove both ends}, then carefully thread the P1 cable through, then rethread & reinsert the ribbon cable. That paper thin ribbon cable has to be removed first, in order to thread P1 back through to J1 on the UT-106. If you are not sure of what I am talking about & own a UT-106 {not installed} & an Icom IC-706 Mk II, make arrangements to have Icom install it for you.

<http://www.icomamerica.com/>

72...Jay, WA5WHN DM65qd

Albuquerque, NM USA

.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 13 Jul 1998 12:16:50 -0600
From: "Evert R. Halbach" <cs-erh@nich-nsunet.nich.edu>
To: QRP-L@Lehigh.EDU
Subject: [15011] Short Wave Rcvr Kit???
Message-ID: <F159BC5FDC@nich-nsunet.nich.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7BIT

Hello Group!

I have a friend and his son that are getting interested in Ham Radio, crystal radios, kits, etc. I set him up with parts for a xtal radio. He now wants to graduate to something a little more challenging...

A while back I thought I saw an advertisement for a Short Wave Radio Kit for \$19. Seems cheap to me but can't locate company or find advertisement.

He wants something "cheap" and "simple"....might make a "good" ham..

Any information or assistance in pointing me in the right direction would be deeply appreciated.

73 de WA50JI Evert

Evert R. Halbach WA50JI
E-mail - cs-erh@nich-nsunet.nich.edu
Snail (work) - P.O. Box 2168 Thibodaux, La. 70310
Snail (home) - 117 Sawmill Rd. Thibodaux, La. 70301

Date: Mon, 13 Jul 1998 13:29:49 -0400
From: "Harry WA3PTG" <hhurst@delaware.infi.net>
To: <qrp-1@Lehigh.EDU>
Subject: [15012] Re: 11-2-10: Mfg.'s name/logo
Message-ID: <199807131728.NAA15162@fh101.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

How about "Nippon Precision Circuits" at www.npcproducts.com?

> From: Stephen M Smith <sigcom@juno.com>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: 11-2-10: Mfg.'s name/logo
> Date: Monday, July 13, 1998 13:13
>
> Group,
>

> I'm trying to identify the name of the semiconductor manufacturer who
> uses the logo "NPC". This is for the 11-2-10 project.
>
> 73.....Steve, WB6TNL Oxnard, CA QRP-L # 621 NorCal Zombie # 2065
> SCQS # 41
> ex-WN6TNL (1967)
>
>
> -----
> You don't need to buy Internet access to use free Internet e-mail.
> Get completely free e-mail from Juno at <http://www.juno.com>
> Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 13 Jul 1998 13:40:42 -0400
From: "Duane" <duane@flinet.com>
To: <w4bws@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [15013] Re: Fish Story or Know
Message-ID: <00e401bdae85\$5cabfaa0\$1f1a0ed0@flinet.com.flinet.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I used to light up a 4 foot florescent tube using my vertical and my amp.
I could get several feet away from the antenna while some one else sent
code. looked funny to my neighbors walking around at night with a lit bulb
and no wires.

Duane
ab4be

-----Original Message-----

From: Donald E Sanders <w4bws@juno.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Saturday, July 11, 1998 9:03 AM
Subject: Re: Fish Story or Know

>Back in 1958 in Ohio the radio station I workerd at had a pattern problem
>and it was discovered that a local farmer about 1/8th mile from the
>station was using a multiple turns loop of wire around his pasture to
>power his brooders in his chicken coops. The station paid the small
>electrical bill for the broodersto get him to cut the loop down.
>Donald E. Sanders W4BWS
>694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937
>407-779-0222 Fax 407-779-0830
>E-mail to w4bws@juno.com

>My favorite QRP rig glows in the dark

>

>

>-----
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>Get completely free e-mail from Juno at <http://www.juno.com>

>Or call Juno at (800) 654-JUNO [654-5866]

>

>

Date: Mon, 13 Jul 1998 13:49:38 EDT

From: MSU1972@aol.com

To: foxes@theriver.com

Cc: qrp-1@Lehigh.EDU

Subject: [15014] Re: Antenna Options

Message-ID: <1f5bd37b.35aa48b3@aol.com>

Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

Hate to sound too simply, Andy...but, last week we were camping near Traverse City, MI in a popup camper. I was using my MFJ 9020 (never did get to the 40A) and was working DX with a simple 90 foot long wire strung in the tree by throwing a stick over feeding it to the tuner. Of course, the ground is critical and I attached it to a nearby waterpipe (faucet).

David

I buy a 90 or 100 ft roll of 22 guage wire from Radio Shack...and literally throw it up a tree and it works great!

Date: Mon, 13 Jul 1998 13:54:39 EDT

From: DENNISMO@aol.com

To: qrp-1@Lehigh.EDU

Subject: [15015] Re: EMERGENCY COAX CONNECTORS

Message-ID: <5d6d0b01.35aa49e0@aol.com>

Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

I haven't tried them but for emergency coax connectors I think that one could use those solderless connectors I've seen at Radio Shack. I suppose they would work well enough until you got home and replaced them with "real" connectors.

72 de Denny AD6EZ <><
PROMISE KEEPER

FISTS #4570 / QRP-L #1359 / ARCI #9637 / sCQs #44 / 10-X #69158 / Six Club
#242

HAMing It Up Everyday In Goleta, CA

Grid: DM04BK / WEB PAGE: <http://members.aol.com/dennismo>

Date: Mon, 13 Jul 1998 11:24:47 -0700
From: W7LS <w7ls@blarg.net>
To: gweinfurt1@ohiou.edu
Cc: qrp-l@Lehigh.EDU
Subject: [15016] Re: Cool new QRP power source!
Message-ID: <35AA50EF.14A3@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, Greg. Good post. Interesting. One thing puzzles me, though. A typical, current state of the art night vision scope usually runs on a pair of AA cells and runs for about 40 hours or so. Man, they are talking about one CHEAP turbine, to compete with a couple of AA cells :-)

73 de Jim, W7LS

Greg Weinfurtner wrote:

>
> Guys and gals,
> Found this on one of the tech mailings*, sounds like the perfect
> outfit to get the batteries charged while "afield!"
>
> *****
>
> TINY TURBINES TO POWER LAPTOPS
> Scientists at MIT's gas-turbine lab predict that sometime around 2000
> engines the size of shirt buttons will begin replacing the batteries
> now
> powering handheld computers, cell phones and camcorders. Lab director
> Alan
> Epstein says a turbine-driven power pack could be made about 25%
> smaller
> than today's lithium batteries and last twice as long between

> refuelings.
> The MIT model resembles a miniature jet engine and runs on butane. The
> U.S.
> Army, which is funding the research, is planning to use the new
> engines to
> power GPS receivers, night-vision goggles and other military gear.
> (Business Week 13 Jul 98)
>
> *****
>
> I'm adding this as I think they require it, copyright and all that
> stuff:
>
> *Edupage ... is what you've just finished reading. To subscribe to
> Edupage:
> send mail listproc@educum.unc.edu with the message: subscribe edupage
> <your
> name>. To unsubscribe send a message to: listproc@educum.unc.edu with
> the
> message: unsubscribe edupage. If you have subscription problems, send
> mail
> to manager@educum.unc.edu.
>
> 73 de NS80

Date: Mon, 13 Jul 1998 18:26:05 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [15017] AC6UV at home.../Code speed/Task lighting.
Message-ID: <35AA513D.2E0@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Worked Gody/AC6UV this Saturday. He's taking a break from
his Pacific Trail journey -- trying to wait for the
mountain snow to make way for safe passage.

I also noticed only one line left in my ARRL logbook.
All but 2 qso's in the book are QRP and I started doing
qrp in April, 1997 after only 2 qso's back in 1985.

That's a lot of QSO's in the past 15 months! And I don't
even enter the contest Q's there!

The latest rent increase has shut down my ham budget big time so I'm going to make my own logbook now.

By the way, my re-entry to ham radio 4/1997 began with a pixie2, straight key, and tough copy at 16 WPM as I began remembering the code from my 1970's military work.

I used to bring home the print-job covers usually thrown out at work to copy qso's onto. Got tired of all the trash piling up near the garbage can (I'm a bad shot), so started head copy in January. Now I'm blazing away at 32 WPM with ease and struggling just a little at 38 to 40. I sure hope some of you give it a try, every other qso or just write down minimally when you do QSO. It works.

I made a huge weight for the bug and have been trying to work the QRS gang on 21.158 but I also found out that I can finally use the bug QRQ now with only the one little weight. Practice sure has paid off!

But I get a lot more qso's when I limp along at 20 or 25 wpm.

Also, the keyer I won will be going together real soon. Since June I've been working everyday after work on a very large scale construction project at the horseshoe pitching club. Hopefully I'll get a break soon.

Mom got me the magnifying task light and a large LCD display calculator (QRP --> solar and button cell!) for my 40th B-Day Sunday 7/12 so this ol' guy won't strain the eyes doing projects :) Already have the task light mounted at the station.

I'll be quiet now... Best QRP operating to all.

CW for life.

-Ed

--

72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Mon, 13 Jul 1998 14:29:32 -0400
From: Mel Evans <MelEvansGM6JAG@compuserve.com>
To: qrp-l <qrp-l@Lehigh.EDU>

Subject: [15018] Returned ! y mensaje para NILS
Message-ID: <199807131429_MC2-52F9-DDB1@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hi gang,

Back from two weeks in very HOT (33 degrees) Espana and bottom end of France.

Went through the 19.7M b of e-mail in the digests for qrp, plus the 5.6 Mb= for gqrp and ea qrp lists also.

I think I've replied to all of the post intende for me. If I've missed yo= u out, send me a new e-mail direct.

More stuff going on the euramcom pages for UK licensing, can someone summarise me the US details for the different license categories, and how= you apply to take the exams etc.?

!Hey Nils, todos los pajaritos en espana es "ready-cooked", este es mas caliente en las calles!
!No "grinning turkeys" aqui, pero mucho mas "grilling turkeys"!

72 and 73 de Mel
GM6JAG
Edinburgh, Scotland UK
Home of the last HW9

Area Chairman, British Caravanner's Club
Web Pages <<http://users.aol.com/bccscot/page1.html>>

Alternate e-mail address: <melgm6jag@aol.com>

Authorised at 11kv, 33kv, and up to 275kv

Check out < <http://users.aol.com/euramcom/welcome.html> >
for details of euro-american components equivalents!

Date: Mon, 13 Jul 1998 14:37:05 EDT

From: sigcom@juno.com (Stephen M Smith)
To: qrp-l@Lehigh.EDU
Subject: [15019] NPC: "Never mind" (Doh!)
Message-ID: <19980713.112431.8151.0.sigcom@juno.com>

Group,

Disregard previous request.

NPC is "Nippon Precision Products, Ltd.". A few minutes searching with Infoseek produced results.

FYI, their page is: <www.npcproducts.com>

PDF formatted data sheets available there.

Hope the sun spot cycle holds up. We're gonna have some fun on 10 meters with converted C.B. sets.

73.....Steve, WB6TNL Oxnard, CA QRP-L # 621 NorCal Zombie # 2065
SCQS # 41

ex-WN6TNL (1967)

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 13 Jul 1998 13:51:23 -0500
From: Mike - W0TMW <crucis@sky.net>
To: MichaelN@cycat.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15020] Re: Maritime Morse is Tapped Out
Message-ID: <35AA572B.3DF9889F@sky.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Michael Neverdosky wrote:

>

> Is it my imagination, or are a lot a satelites having problems
> all of a sudden?

El Nino, La Nina, and Global Warming is knockin'em all out.

>
> I think it is good to keep lots of options open.
>
> michael N6CHV
>

Snip!

Couldn't resist!

MIke - W0TMW

--

```
=====
Mike Watson, W0TMW           QCWA Mbr# 28651, MidContinent Chapter #35
Raymore, Missouri, USA      Grid: EM28st, ARS# 352, QRP-L# 1849
http://www.sky.net/~crucis   E-mail: crucis@sky.net  ARCI# 9647
=====
```

Date: Mon, 13 Jul 1998 15:18:02 -0400
From: "Laurent C. Lafond" <aa1qj@ids.net>
To: qrp-l@Lehigh.EDU
Subject: [15021] Re:Re:Maritime CW is tapped out
Message-ID: <35AA5D6A.22C9@ids.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi again -

In response to some replies to my earlier post, I can say that I have heard of other ratings (?) on the smaller ships who have had to substitute for RMs, and I would imagine the COs were appreciative.

My first contact with the equipment went back to the RAK/RAL and RB_ series receivers. TBL and TAJ xmtrs, and of course, the TCS, which was the mainstay of the Destroyer Navy. Can't say too much about it. It was just about the finest piece of equipment we had. Very reliable, easy to tune, etc., etc., didn't care what kinda antenna it went on, either. Still loaded up very nicely and always worked. In the three years that I was on my first DD, we never, repeat never, had any problems with the TCS. Can't say that for some of the other equipment. I (almost) cried when they removed

them during the FRAM program.

I got out when the newer type equipment was coming in. WRT series xmtrs, R1051 and the WRR_ series receivers. They weren't too reliable (in my estimation), kept drifting and if you were hanging on in rough seas, it was hard to keep them on freq.

Enough reminiscing; just one more thought. The URC-32 was another fine piece of equipment. Collins did the Navy (and others) a great service with that transceiver. Only problem - it's too large to take backpacking.

72,
Laurent

Date: Mon, 13 Jul 1998 14:21:40 -0500
From: "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
To: qrp-1@Lehigh.EDU
Subject: [15022] 2N2222 Receiver Working
Message-ID: <35AA5E2F.69BC@uts.cc.utexas.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

Well, I have my 2N2222 receiver working, except I cheated just a bit. Once I saw a nice sine wave signal coming out of my "revised" IF amplifier circuit, I couldn't wait to "hear" it so I ran the IF amp signal into my double balanced diode mixer/product detector and BFO and then into an existing LM380-N amp just to see what it sounded like. [Yes, I promise I'll add a "real" 2N2222 audio amp later this week.] But boy was it a thrill to tune across the band and really hear signals coming in. I had added a double tuned band pass filter (stolen from Zack Lau's 40 meter QRP Power article...thanks, Zack) at the front end. The signals coming out of the receiver now drive the earphones to a nice level and on the louder signals they will actually drive a speaker.

First impressions: This little receiver is "quieter" than I expected. The signals are well above the noise level and I don't hear as much in the background as I do on some of my other kits. I thought sure the 2N2222 transistors would be a lot noisier than I'm getting. A pleasant surprise.

Second, the 250 Hz crystal filter may be a bit too selective as the signals pop in and out of the tuning range pretty fast. I'm using an 8:1 air variable tuning capacitor and is still a little touchy at 250 Hz. Even though my VFO only covers 7.025 to 7.067 in the eight turns, I think I would prefer a little broader filter so the tuning rate wasn't quite so sensitive. May have to change those caps and reconfigure the crystal filter one more time. Obviously, the receiver is plenty selective. All in all, I've been pleased with the filter though as there seems to be very little ringing with it. I guess I finally got the terminations on it about right.

I haven't had time to do a careful test against another receiver in terms of sensitivity, but it seems to hear anything my MXM-40 is hearing. Band conditions on 40 meters haven't been the greatest so hearing weak signals hasn't been easy no matter which receiver I'm listening to. Late last night, I did hear a 40 metger signal coming in from France. He (she?) was working another ham in Texas so the skip must have been just right. At any rate the signal level was a good S5...I was thrilled the little 2N2222 was picking it up.

As it stands now, I have a double tuned band pass filter, no RF amp, a double balanced diode mixer followed by a single 2N2222 post-mixer broad band amp. That feeds into my 4-pole Cohn filter at 4 Mhz and that in turn feeds into a two 2N2222 IF amp with a manual gain control [stole that one out of QRP Classics 20 meter rig...the transmitter IF section]. I run the amplified IF signal into a second double balanced diode mixer/product detector that mixes with a tuneable BFO to get the audio signal. At the moment, I'm not using a diplexer, but just put a 10k ohm variable resistor at the output and set the resistance for the LM380N amp till it sounded good. As a result, my audio signal is a little "raspy" as I'm not getting a very pure sine wave audio signal out. Rather, it has an interesting mixture of audio wave AND some "other stuff" coming out of the product detector. With time, I'm going to add a diplexer at the output of the product detector and add an audio pre-amp/amp with 2-3 2n2222's. Hope to have a "pure" 2N2222 receiver working later this week.

Words just can't describe the thrill of getting your own design (liberally stolen from others) to put a signal into the earphones. It gives me much greater appreciation of our QRP kit designers who spent hours and years of their lives getting us to this point. Can't thank the "pioneers" enough.

Will keep 'ya posted. Will be getting to the transmitter section soon.

Gary, KJ5VW

Date: Mon, 13 Jul 1998 14:26:48 -0500
From: Mike - W0TMW <crucis@sky.net>
To: duane@flinet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [15023] Re: Fish Story or Know
Message-ID: <35AA5F78.48C043DD@sky.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I had a friend some years ago (Tom, WB8JLB) who ran his home-brew HF amp into a ground mounted vertical. On 75M, at night, you could read a newspaper off the coronal discharge at the tip of the vertical.

Mike - W0TMW

Duane wrote:

>
> I used to light up a 4 foot florescent tube using my vertical and my amp.
> I could get several feet away from the antenna while some one else sent
> code. looked funny to my neighbors walking around at night with a lit bulb
> and no wires.
>
> Duane
> ab4be

Snip!

--

=====

Mike Watson, W0TMW	QCWA Mbr# 28651, MidContinent Chapter #35
Raymore, Missouri, USA	Grid: EM28st, ARS# 352, QRP-L# 1849
http://www.sky.net/~crucis	E-mail: crucis@sky.net ARCI# 9647

=====

Date: Mon, 13 Jul 1998 15:36:45 EDT
From: PDouglas12@aol.com
To: qrp-1@Lehigh.EDU
Subject: [15024] Visit to Dallas/E300
Message-ID: <b0fe7733.35aa61ce@aol.com>
Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Guys,

I thought some might enjoy a little writeup of my weekend in Dallas. I had Friday and Saturday free after a short meeting on Friday morning (so the visit was officially business). I spent Friday running around Dallas with our man Chuck K5FO, met up with his lady Phyllis at the afternoon showing of Lethal Weapon 4 (Two second review: suspend your disbelief and go. You'll enjoy the show.), and early dinner. Saturday, Chuck had me up at the crack, and we did more techie store hopping. Highlight was probably Tanners--where you can still buy the parts off the shelf.

Dallas is not ordinarily a place to visit with the kiddies this time of year. (My wife, who is wise beyond her years, declined to join me, and she loves to travel most anywhere--but she gets shaky in the heat.) Temp ran 105 plus on Saturday, and was well above 100 on Friday and Thursday too. The news said to keep pets off the pavement, as it would burn their paws. The grass was brown along the roads, not for lack of water, because the radiational heat off the pavement was scorching it. I brought a bathing suit, but besides Chuck running me all over town, it was too hot to go swimming outdoors!

I did lay in a supply of parts for a project already in progress at Tanners. I came armed with a need list for that project. But I do wish I had had the Elmer 300 parts list that Chuck posted this morning, as I probably would have just filled the list. As it is, though, I will now go into the shack to see how much of the list I already have and start making up the bag of parts "kit" for the future E300 rig. On the other hand, I certainly can't complain that Chuck didn't do the list sooner, as the reason he didn't get it done until Sunday night was that he was running all over Dallas entertaining me!

Anyway, back here in NYC, it is sunny and about 85. Remind me not to complain when the temperature goes over 90 here in the Big Apple. Dallas has had 21 straight days over 100, and that isn't the record by a long shot.

On the Manhattan/Elmer 300 project: I've seen the rig that Jim Kortege did. I've seen PC board rigs that weren't as neat as Jim's work. And this rig was built "ugly" style right onto a bare PC board--with little "lands" glued in where needed. An elegant job, even if it weren't a prototype. And the design itself looks like a very nice radio. The kind you build and enjoy after you find out it works. Do check out K5FO's page for the pics. This looks like it will be a very popular transceiver--especially considering the active parts are all 2N2222s. I am thinking about building mine on a slightly larger board, to give my fat little fingers more room, and to aid in modifications later. But, that may be self-defeating if inter-stage leads get long enough to degrade performance. So, we'll see. Anyway, I am already starting to lay plans for a fall start on that project. Looks like fun to me.

72,

Preston Douglas WJ2V

Date: Mon, 13 Jul 1998 14:54:53 -0500
From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
To: QRP-L list <QRP-L@Lehigh.EDU>
Subject: [15025] AC6V Noiseless Feedback Amplifier
Message-ID: <E726B6D1F2C7D1119AB900805FA74B3C8A79B7@s-il02-n.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

Well, time to tap the group memory, as mine is tapped out :-)

Sometime back this circuit was written up as an excellent receiver rf amplifier. I've dug around in the more obvious (at least to me) places, with no results. Can anyone point me to an article or discussion of this amplifier?

It is a single stage circuit, with a transformer in the transistor's collector circuit, with a one turn (?) winding back to the base for negative feedback. I sort of remember the schematic, but not the details.

Anyone out there know what I'm talking about?
73, Bob N6WG

Date: Mon, 13 Jul 1998 12:55:22 -0700
From: Jerry Haigwood <w5jh@swlink.net>
To: QRP-L@Lehigh.EDU
Subject: [15026] Re:Elmer300: First Experiment
Message-ID: <35AA662A.6669@swlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

I sent this mail directly to Chuck but he suggested I send it here also.

Hello Chuck,

The island construction has been around for a while. I first ran into the method in about 1970 or so. The ARRL Handbook had a 2 meter amp using the island method. I have used it since. I use 5 minute epoxy (more like 30 minutes!) to hold down the pads. This stuff is available from Radio Shack. Like Jim, I cut pads with a nibbler or sometimes a sheet metal shear. The shear does not produce a consistent size/cut but works well. I built my 2N2222 design (still not finished) using this construction method. I label all nodes on the schematic and then draw a layout on paper full size. Once I am satisfied with the layout, I glue down the pads (islands). 30-40 minutes later, I solder the parts into place. It is a nice clean construction method.

73, Jerry W5JH

Date: Mon, 13 Jul 1998 20:21:12 +0000
From: Ed Loranger <we6w@qsl.net>
To: w5jh@swlink.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15027] Re: Elmer300: First Experiment
Message-ID: <35AA6C38.56D9@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Right On Jerry. I also am big on EPOXY for the islands.

I use a circular hole puncher from Harbor Freight tools. Spec'd for 3/16 aluminum or any leather goods. 6 or 7 different hole sizes. Works well. Inexpensive.

-Ed

--

72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Mon, 13 Jul 1998 14:26:19 -0600
From: "Alyn Backe" <ve6bpr@cnnnet.com>
To: <cs-erh@nich-nsunet.nich.edu>
Cc: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [15028] Re: Short Wave Rcvr Kit???

Message-ID: <003001bdae9c\$7ef5a180\$8f06e5cf@laptop>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greetings.

You may like to check out the kits offered by Ten-Tec. They have a new line of kits called T-Kits. They have a few receivers, for an excellent price. I use one of there direct conversion receivers, the 1056, wired up for 80 meters, and it works FB. Have a look at their web site
<http://www.tentec.com>
Look for the section called Board Modules.

Best 73, AL, VE6BPR.....sk
QRP-L # 1144
Norac1 # 2315
ve6bpr@cnnet.com

-----Original Message-----

From: Evert R. Halbach <cs-erh@nich-nsunet.nich.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Monday, July 13, 1998 11:24 AM
Subject: Short Wave Rcvr Kit???

Hello Group!

I have a friend and his son that are getting interested in Ham Radio, crystal radios, kits, etc. I set him up with parts for a xtal radio. He now wants to graduate to something a little more challenging...

A while back I thought I saw an advertisement for a Short Wave Radio Kit for \$19. Seems cheap to me but can't locate company or find advertisement.

He wants something "cheap" and "simple"....might make a "good" ham..

Any information or assistance in pointing me in the right direction would be deeply appreciated.

73 de WA50JI Evert

Evert R. Halbach WA5OJI
E-mail - cs-erh@nich-nsunet.nich.edu
Snail (work) - P.O. Box 2168 Thibodaux, La. 70310
Snail (home) - 117 Sawmill Rd. Thibodaux, La. 70301

Date: Mon, 13 Jul 1998 15:31:33 -0500
From: n5inz@juno.com (John M Andrews)
To: qrp-1@Lehigh.EDU
Subject: [15029] Elmer 300: Dead bugs and other critters
Message-ID: <19980713.153133.3190.5.N5INZ@juno.com>

Howdy:

Just a little info for those who have never done any construction with anything but pc boards.

History:

The term "dead bug" or "ugly" construction has many origins. What one might be is that the common integrated circuit looks much like a bug. As a matter of fact, some folks still refer to them as "bugs". The IC or bug came at such a rush that the experimenter couldn't keep up with them. In an effort to get a project going, one method was to flip the bug over and solder directly to the pins of the IC. It looked like a "dead bug". Pretty soon- anything that was soldered point-to-point was dead bug or "ugly".

Method:

The plain, old printed circuit board is the method most commonly used these days. A sheet of fiber epoxy or fiberglass covered with a sheet of copper is the most common. Some boards are covered with a coating that is less likely to tarnish and said to be "tinned".

Our concern is NOT using the conventional pc board.

Types:

Resistor method.

Since the tube has lost much of it's popularity these days, tie strips that were so popular have all but disappeared. One method was to use large

value resistors as stand-offs. A 1/2 watt resistor of very high value (10 Megs or more) is used as a tie point. Just bend the resistor at one end in a 90 degree angle and solder to the board. The other end is your "tie point" to which you solder the part for the circuit.

Advantages: Some experimenters found this method made for very "quiet" circuits due to the return paths. Not all were happy, however, the board got crowded pretty fast with all those resistors. Also you need a *lot* of resistors

Island method:

The Island method is one of my favorites. First decide the size of your project. Cut your pc board to size. Next...draw lines with a soft lead pencil, felt tip marker, or even an awl. 1/4, 3/8, or 1/2" grids may work for you. You should now have squares that look a bit like a checker board.

Cutting with a hack-saw just enough to remove copper from each line is the desired method. A Dremel(TM) or other motor hobby tool with a stone or rotary saw makes this much easier.

You can now solder the parts to the "Islands" and to other points.

Modifications to the Island method:

Cutting small pieces of pc board and fixing the pieces to a large piece of board with glue or double sided tape also works and has the advantage of the "ground plane" being available to solder to.

Another variation: If you use 3/8 to 1/2" grids you can drill a small hole in the corner of each "Island"(4 holes or more)- You may then insert the part from the side not covered with copper and jumper the pads. This also allows a very uncrowded board since you can then install components on BOTH sides.

The Pad Cutter Method:

Another favorite. A company named Vector(TM) makes a tool called a "Pad Cutter" It runs about \$20.00. Decide your layout. Make small marks(*dots*) with a fine felt marker. Drill the marks you have made with a small bit. Insert the tool on the copper side and gently twist a few times. The pad cutter

is a
circular saw that will remove a tiny bit of copper in a circle around the
hole
you drilled. Insert the part from the non-copper side and solder. Leaving
the lead long will allow you to connect to the other parts.

The "Best" Pad Cutter Method:

I'm lazy and cheap. And hot. Summer in Texas.

1. Find a PC layout for a project you think you might like to do.
2. Make a copy of the layout.
3. Tape or rubber cement the layout over the pc board with the copper
side up.
4. Using an awl and small, light hammer- Gently make a tiny mark at
each point that would be soldered if it were a normal pc board.
5. Check your work and make *sure* you got each solder point.
6. Remove the trace copy and drill a small hole at each little point you
punched with the awl.
7. Use the pad cutter to make a "donut" at each hole.
8. Using the parts overlay just connect the leads from part to part as
you
install each part.

I'm sure others have other(maybe better) ways to explain these
methods. You have my attention!

72, John- N5INZ

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Date: Mon, 13 Jul 1998 16:54:12 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [15030] Re: AC6V Noiseless Feedback Amplifier
Message-ID: <35AA73F4.4C87@arrl.org>
Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sounds like the patented (expired, though) Norton amplifier discussed in Intro to RF Design by Wes Hayward. Lots of practical examples in the amateur literature.--Zack W1VT

Date: Mon, 13 Jul 1998 14:01:46 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15031] Re: AC6V Noiseless Feedback Amplifier
Message-ID: <Pine.BSI.3.96.980713140021.15099A-100000@usr07.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 13 Jul 1998, Tellefsen Bob-CNSE97 wrote:

> Well, time to tap the group memory, as mine is tapped out :-)
>
> Sometime back this circuit was written up as an excellent receiver rf
> amplifier. I've dug around in the more obvious (at least to me) places,
> with no results. Can anyone point me to an article or discussion of
> this amplifier?
>
> It is a single stage circuit, with a transformer in the transistor's
> collector circuit, with a one turn (?) winding back to the base for
> negative feedback. I sort of remember the schematic, but not the
> details.
>
> Anyone out there know what I'm talking about?
>

Yes, indeedly doodly. Look at the technical bibliographies on my web page (listed below) and you'll find a set of references for lossless feedback amplifiers that includes just about everything written on the subject, including my article in the January issue of QRP Quarterly.

,-----.
/ What's all this \
/ extinct stuff, anyhow? /
\ -----'

Circuit Design for the
RF Impaired

Chris Trask / N7ZWY

RS 21-1569: \$03.97

RS 21-1554: \$19.97
RS 21-1556: \$29.97
RS 21-1599: \$03.97
RS 21-1557: \$07.97
RS 21-1579: \$24.97
RS 21-1571: \$17.97

We'll update you soon on the progress of the conversion kit. See you on 10M QRP-AM :) !

72 - Conrad Weiss - NN6CW

Date: Mon, 13 Jul 1998 17:06:07 -0500 (CDT)
From: Joe Smith <joe@cooldude.com>
To: Larry B <ac5ez@webtv.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [15033] Re: Texas Heat
Message-ID: <Pine.LNX.3.95.980713170405.2288C-100000@buster.hworx.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 12 Jul 1998, Larry B wrote:

> Its too hot here in Texas to do any hamming. The ham shack is out in the
> garage and it aint air conditioned. Today it was 111 degrees F. in the
> shade. My hamming is temperture related. When it gets over 102 F, its
> time to do something else.
> 111 degress today, wonder what it will be tomorrow ?

With QRP you can afford to run a window AC unit in the garage. Heat ain't no excuse for not hamming in the 90's!!!!

73
w0joe

Date: Mon, 13 Jul 1998 14:48:44 -0700

From: "Dasher, Mark" <DasherM@IRWIN.ARMY.MIL>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>, "'LIST - QRP'" <qrp-1@Lehigh.EDU>
Subject: [15034] PC Board
Message-ID: <D30701F3980BD211819B00600895F2A0034982@IRWEXCH12>
MIME-Version: 1.0
Content-Type: text/plain

About 6 weeks ago, a gentleman offered to ship PC Board for postage.
Does anyone have his e-mail address?

Thanks es 73 Mark KF6LUD

Date: Mon, 13 Jul 1998 15:02:34 -0700
From: Conrad <radman@best.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [15035] RS Disclaimer....
Message-ID: <01BDAE6F.44C05460.radman@best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Gang,

Sorry for bandwidth. Regarding my prior post of Radio Shack
CB close-out's... I'm *not* related to Tandy or its
partners. My efforts are focused entirely on the 10 meter
AM QRP revival project of the 11-2-10 Team. Thanks for your
patience. :)

72 - Conrad Weiss - NN6CW

Date: Mon, 13 Jul 1998 16:10:59 -0600
From: w0yse@juno.com (Neil Klagge)
To: qrp-1@Lehigh.EDU
Subject: [15036] 11 TO 10 question
Message-ID: <19980713.161100.9358.0.w0yse@juno.com>

Do any of you know whether a Midland CB xcvr, model #77-106 is easily
convertible to 29 MHz ?? It was manufactured in March of '88.

---72/73's

Neil, w0yse since '54
now from Layton, Utah

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Date: Mon, 13 Jul 1998 18:30:48 EDT
From: K2UD@aol.com
To: qrp-1@Lehigh.EDU
Subject: [15037] Epiphyte Convention
Message-ID: <fa9fb796.35aa8a99@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Well, we didn't intend for it to happen, but it happened. Batavia Hamfest, Batavia NY was home to four, count-em, four Epiphyte XCVRs. Could this have the biggest collection of Epiphytes in the US? (Does anyone really care?)

Gary and Brad of Embedded Research each brought their original KBE-3 Epiphytes. Gary calls his the Epiphyte ATS (and then some). Look inside and you'll understand and then some! Lots of nifty adds to this rig. Brad just added the VFO and made his first QSO with it (it was with Gary, go figger).

I brought my KBE-3 also, inboard VFO, outboard 5W amp. Also had my just completed and QSOed 2B version. Nice rig, nice size. You guy who don't have one, YOU'VE GOT TO HAVE ONE!

Watch for someone to provide a kit of the Epiphyte 3 at a theatre near you. Won't give out any surprises, cause it's still a rumor to me!

72 all,

Howard Kraus, K2UD

75M is good for something else besides cussing and fighting.

Date: Mon, 13 Jul 1998 18:38:44 EDT
From: k7sz@juno.com (Rick Arland)
To: qrp-1@Lehigh.EDU
Subject: [15038] CQ W4Q0
Message-ID: <19980714.225601.6807.2.k7sz@juno.com>

Jim:

e-mail me with your phone number, pls

73 rich K7SZ

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Date: Mon, 13 Jul 1998 17:50:04 -0500 (CDT)
From: jdenison@morelr.com (JOEL DENISON)
To: qrp-1@Lehigh.EDU
Subject: [15039] THE ANSWER to the "half square QUESTION"
Message-ID: <199807132250.RAA20665@ns1.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hIGH gang:

well I begged and pleaded with no results... well one person dropped me an email to say it wouldn't work... However not convinced I went ahead with the project... Great thing about ham radio u can prove urself wrong... er right... either way it seems... :-)

PROJECT: CONSTRUCT A HALF SQUARE ANT FOR 7.050 AND FEED IT AT THE CENTER OF THE PHASING WIRE WITH TWINLEAD... so THE ANT COULD ALSO BE USED AS A DIPOLE ON EIGHTY METERS.

Well, let me tell you... twin lead splices that short together don't work too well... found two or three of them when checking out the best pieces to splice together for the lead in... certainly explains the results of the 8jk ant experment... I wanted to use that one on 20 and forty meters... twinlead splice did me in I guess... live and sometimes learn...

I digress: BACK TO THE HALF SQUARE PROJECT....

I used the formula $490/f$ for the phasing line and $242/f$ for the vertical lines... I pulled the existing ant down and tied this one to the ropes and pulled her/him/it/the antenna, up and started splicing twinlead... The vertical ant elements seem to clear the ground by ten or more feet, so that should put the ant up about forty feet...

The tuning (mfj tuner) on eighty is no problem... Forty However is a bit touchy... touchy in that it is fairly sharp... and not as easy to locate as the eighty meter tuning...

WHAT HAS HE DONE THIS TIME??? one might ask... ok here is what I think I have done...

Using the twinlead and feeding the phasing section at a voltage point I can load the antenna and keep the phasing correct so it can work as a half square on forty... working nice :-)

The overall length of the ant is resonant somewhere on eighty meters, in theory about 3.525 and the ant being fed in the middle allows me to load it up as a dipole (with it's ears bent) on eighty...

So what's the big deal? one might ask... The big deal for me is... In one antenna wire I have a two band antenna, up forty feet at it's radiating point... one a full wavelength long on forty... the other a half wave length long... Using the twinlead takes tremendous weight and sagging off the antenna...

NOW THE "BIG" BIG DEAL FOR ME...

I can now put a director up for forty (the halfsquare) and one for eighty (the dipole) imagine a two element 80mtr yagi... that's high cotton/up-town/cool man... about 5 of those db things of gain... according to the book I have heah... (maine accent)

Sry to have bugged u guys on this... I really wanted to understand why it could not work before I accepted a no answer... and I am here to telllllllll u and u and u that "it do work"... it do work-just fine... now if the spacing will fall just right I might not have to use two seperate directors... hmmmmmm but I dream a lot yea! Aiieeeee

MOmma's proud of her cajun son yea...

God Bless

joel wa5cvm, in maine, finding big, big crawfish heah...

God Bless

Joel

WA5CVM

Joel Denison	Gentle Lady (RC Sail Plane)(049 engine - start)
PO BOX 542	DIPOLE on 40mtr
Strong, Maine 04983	QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765
jdenison@morelr.com	Use strong nets guys, the crawfish are big over here

Date: Mon, 13 Jul 1998 19:03:57 -0400

From: Paul Helbert <phelbert@rica.net>

To: applitech@mcg.net

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [15040] Elmer 101: Remaining students & question

Message-ID: <35AA925D.D0B37DF3@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

What he said! I'm still a student because I had the time a while back to do five or six sections from the archives all in one weekend, and haven't had much time since. I think I'll get on it again tonight.

I will be working up a question soon about lowering the side tone's frequency. Maybe someone will want to answer it before I get it asked. That'd be fine by me.

Thanks to all who have made this Elmer 101 thing go.

Paul, Wv3j

End of QRP-L Digest 1151

